## ESSENTIAL DISCOVERIES AND ACCOMPLISHMENTS

In the space provided, write notes about key points learned in the chapter. Share your Essential Discoveries with other students in your class and ask if the notes are helpful to them. You may want to update your discoveries based on good ideas shared by your peers.

Discoveries:					
				 ,	
your career goals.  Accomplishme	ents:				
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#### **TACTIVITY 2** Fill in the Blanks

Using the following words, fill in the blanks below. Words or terms may be used more than once or not at all.

arc		fine steel wool	pomade					
bacl	ck combing finger waving		pressure					
back and forth motion		flattering	ribboning					
barr	el	full-stem	ridge					
base	э	gel	shampoo					
carv	red	hard	silicone					
circ	le	hard rubber	skip					
clie	nt consultation	hard press	stand-up					
coa	rse	indentation	stem					
cold	1	karaya	styling needs					
con	ditioned	light paper	temper					
curl	S	no-stem	texture					
disc	color	off	tissue paper					
dry	pin curls		touch-ups					
fine		pliable	wiry					
2.	The three parts of a pir	directing the hair into an S p curl are the through a comb while apply	_,, and					
-	ŭ	he comb to create tension is						
4.	Two and a half turns ar	ound the roller will create	•					
5.	The most commonly sh	naped base you will use is th	e base.					
6.	Cascade, or	, curls are used to crea	ate height.					
7.	For the least volume, the	ne roller sits	base.					
8.	Waving lotion makes the finger-waving procedure	ne hair and k re.	keeps it in place during the					
9.	A curl	allows for the greatest mobil	lity.					
10.	that you can use to cre	e the basis for patterns, lines eate hairstyles.	s, waves, curls, and rolls					
11.	The	is always the first step in the	hair styling process.					
12.	Waving lotion is tradition	onally made from	gum.					
13.	is a thickened styling product that comes in a tube or bottle and has a strong hold.							

Performance Assessed	4	2	3	4	Improvement Plan
Kept repeating this technique until all the sides were off the face, leaving out the hair in front of the triangle					
Kept crossing each section at the back until just above the occipital bone					
At this point, all of the hair at the sides should have been pinned at the back with just the front portion remaining					
Used creativity to finish the style					
If the client did not have bangs, back brushed the front section, smooth edit out, and loosely pinned it back to one side or placed a center part					
Arranged the hair at the back with your fingers and checked the balance					
Avoided using too much hair spray so the hair had movement at the back					

#### ESSENTIAL REVIEW

#### **\*\*\* ACTIVITY 1** Word Search

After determining the correct word from the clues provided, locate the words in the word search puzzle.

Word	Clue
	Also called ruffing
	Pin curls with large openings; fastened to head in a standing position on a rectangular base
	Pin curls sliced from a shaping and formed without lifting the hair from the head
	Nozzle attachment of a blowdryer that directs the air flow
	Blowdryer attachment that causes air to flow more softly

Performance Assessed	1	2	3	4	Improvement Plan
Secured with hairpins vertically down into the seam as you worked up, hiding the pins in the seam					
Moved to a side section and lightly back brushed the section					
Brought the side section up to the last completed section and blended into the fold					
Secured with a bobby pin at the top of the side section, leaving the ends out	į				
Repeated on the other side. Folded over while smoothing and pinned downward					
Back brushed and smoothed the remaining side section on the right into the remaining section on the left, just above the top of the twist					
Swirled and joined this section of hair into the open end of the twist					
Used a tail comb or the tail of the back combing brush to smooth curl ends into the twist and pin					
Took care not to expose the pin					
Sprayed finished style with a firm hold hair spray and checked to make sure there were no exposed pins					

#### HALF UPDO PROCEDURE

Performance Assessed	1	2	3	4	Improvement Plan
Redrape the client with a neck strip and styling cape					

Performance Assessed	1	2	3	4	Improvement Plan
Locked the two pins together					
Took a small section of hair from the underside of the ponytail, wrapped it around the ponytail to cover the elastics and secured it with a bobby pin underneath	50.4				
Smoothed out ponytail and held with one hand and back brushed from underneath ponytail with the other hand					
Gently smoothed out the ponytail after back brushing, using sides of bristles					
Rolled hair under and toward the head to form the chignon					
Secured on left and right undersides of the roll with bobby pins					
Fanned out both the sides by spreading the chignon with fingers					
Secured with hairpins, pinning close to head					
Used bobby pins if more hold were needed					
Took the remaining section at the front and brushed it over in to a side sweep and then wrapped around chignon					
Finished with a strong hair spray or ornaments if desired					

Performance Assessed	1	2	3	4	Improvement Plan
At the same time, drew the hair with the iron about ¼ inch (0.6 centimeters) to the left, and directed the hair ¼ inch (0.6 centimeters) to the right with the comb					
Rolled the iron one full turn forward and away from you			:		
Kept hair uniform with the comb for a few seconds to heat throughout					
Reversed movement by unrolling hair from iron					
Opened iron and placed it just below the ridge or crest and closed it					
Keeping the iron perfectly still, directed the hair with the comb upward about 1 inch (2.5 centimeters), forming a half circle					
Without opening the iron, rolled it in a half turn forward and away from you while keeping the comb still and unchanged					
Slid iron down about 1 inch (2.5 centimeters) by opening the iron slightly, gripping it loosely, and then sliding it down the strand					
Began second ridge for a right-moving ridge					
Picked up next strand in the comb and included a small section of the waved strand as a guide					
Continued until finished waving was achieved					

## BLOWDRYING SHORT, LAYERED, CURLY HAIR TO PRODUCE SMOOTH AND FULL FINISH PROCEDURE

Performance Assessed	1	2	3	4	Improvement Plan
Removed any tangles with a wide-tooth comb, starting at the ends and working up to the scalp					
Distributed styling product through the hair with fingers and combed through with a wide-tooth comb					
Using the comb, molded hair into the desired shape while still wet					
Sectioned and parted hair according to size of curl desired					
Inserted round brush at the base of the curl					
Using roller setting technique, dried each section either full base or half base					
For maximum lift, inserted brush on base and directed hair section up at a 90-degree angle					
Rolled hair down to base with medium tension					
Directed the stream of air from blowdryer over curl in back-and-forth motion					
When section was completely dry, pressed cooling button and cooled down the section to strengthen the curl formation					
Released the curl by unwinding section from the brush; for less lift at scalp, began by holding section at a 90-degree angle, following the same procedure					

Performance Assessed	1	2	3	4		lmp	roveme	nt Plan	ì
Chose type of base according to desired volume									
Combed the hair out from the scalp to the ends, using the fine teeth of the comb									
Repeated several times to make sure that the hair was smooth									
Held hair with tension between thumb and middle finger of left hand									
Placed the roller below the thumb of left hand									
Did not converge ends of hair									
Wrapped ends of hair smoothly around roller until hair caught and did not release									
Placed thumbs over the ends of roller and rolled hair firmly to scalp									
Clipped roller securely to scalp hair									
Rolled the remainder of the hair according to the desired style									
Placed client under hood dryer set at a comfortable temperature									
When hair was dry, allowed it to cool, then removed the rollers			į						

Performance Assessed	1	2	3	4		In	nprovemen	t Plan	
Drew out the ridge by closing the two fingers and applying pressure to head									
Did not try to increase height or depth of ridge by pinching or pushing with fingers									
Without removing comb, turned teeth downward and combed hair in right semicircular direction to form a dip in hollow part of the wave									
Followed this procedure, section by section, until crown was reached, where ridge phased out		:							
The ridge and wave matched evenly without showing separation in ridge and hollow part of wave  To form the second ridge, began at the crown area;									
movements were reverse of those followed in first ridge; comb was drawn from tip of index finger toward base of index finger	200								
All movements were followed in reverse pattern until hairline is reached, completing the second ridge									
Third ridge was started at the hairline and extended back toward the back of the head									
Continued alternating directions until the side of the head was completed									
Used the same procedure for the left (light) side of the head as used for the right (heavy) side of the head					,				
First, shaped the hair by combing it in the direction of the first wave									
Starting at hairline, formed the first ridge, section by section, until the second ridge of the opposite side was reached	į								

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Space is provided for comments to assist you in improving your performance and achieving a higher rating.

Note: For all procedures, preservice steps should be followed including proper draping (shampoo, condition, and towel dried the client's hair).

#### PREPARING HAIR FOR WET STYLING PROCEDURE

Performance Assessed	1	2	3	<b>4</b>	Improvement Plan
Removed any tangles with a wide-tooth comb					
Parted the hair according to (1) the client's preference, (2) their natural part if that worked with the hair design, or (3) created a part anywhere on the head if that better suited the final design			를 함 배 등 이 이 이 등 보고 도움되다. 가 문자를 다는 공급		
Created a clean parting					
Separated the two sides and combed the hair smooth					

# ESSENTIAL EXPERIENCE © Creatively Style Long Hair

<b>ACTIVITY</b> 1	What are the Five Key Points to Consider When Designing an Updo?
1.	
Reasons for importa	ance:
2.	
Reasons for importa	nce:
3.	
Reasons for importa	
4.	
Reasons for importar	ice:
5.	
Reasons for importan	Ce:

3					
				 ·	
4.					
5.					
3.					
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Research a variety of pressing oils or creams available in the market and record your findings in the chart provided. Use the chart below to track your findings. Compare your findings to the products used at home or at school.

Product Name	Key Ingredients	Purpose	Benefits	Directions for Use
	Na Grid of at Johnson and Statement Consideration of the			

#### **TACTIVITY 7** Safety Precautions

In the space provided, explain why the following safety precautions are necessary in the safe use of thermal irons:

1.	Irons should not be overheated.
2.	The temperature of the irons must be tested before applying to hair.
3.	Irons should be handled carefully.
4.	Irons should be placed in a safe place to cool.
5.	Handles should not be placed too close to the heater when heating the irons.
6.	Irons should be properly balanced when placed in the heater.
7.	Celluloid combs or metal combs cannot be used.
8.	Comb must be placed between scalp and thermal iron when curling or waving.
9.	Hair ends must not be allowed to protrude over the irons.
10.	Test the heat of the iron when using on chemically straightened hair.

# ESSENTIAL EXPERIENCE (5) Maintain Safety in Thermal Hairstyling

<b>MAC</b>	TIVITY 1 Thermal Irons
What are	e the four basic parts of all thermal irons?
1	
2.	
3.	
4.	
What is	the appropriate setting for fine hair? Lower or higher?
For cour	rse hair?
For curly	or thick hair?

#### **\*\*\*OPERIOR OF CONTROL OF CONTROL**

Demonstrate the proper use of a flat iron to your instructor.

#### **MACTIVITY 4** Manipulating Thermal Irons

Using a cold thermal iron, a mannequin, and other required implements, practice the following exercises for manipulating thermal irons.

- Exercise 1: As it is important to develop a smooth rotating movement, practice turning the irons while opening and closing them at regular intervals. Practice rotating the irons downward toward you and upward away from you.
- **Exercise 2:** Practice releasing the hair by opening and closing the irons in a quick, clicking movement.
- **Exercise 3:** Practice guiding the hair strand into the center of the curl as you rotate the irons. This exercise will ensure that the end of the strand is firmly in the center of the curl.
- **Exercise 4:** Practice removing the curl from the irons by drawing the comb to the left and the rod to the right. Use the comb to protect the scalp from burns.

# ESSENTIAL EXPERIENCE Understand Hair Wrapping

Describe the nair	wrapping techr	iique.				
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	-					
	-					
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## ESSENTIAL EXPERIENCE © Create Roller Curls

#### **\*\*\* ACTIVITY 1** Window Pane Roller Placement

Window paning is the process of transferring key elements, points, or steps in a lesson into visual images that are hand sketched into the squares, or panes, of a matrix. Let your mind think in pictures and sketch the essential concepts printed in each of the following window panes. Do not be concerned with your artistic ability. Use lines and stick figures to depict the concepts indicated. An alternative option is to briefly describe each roller placement in the boxes or in a separate document to hand into your instructor. Draw (a) the three parts of a roller curl and (b) the three bases in roller placement using the chart below.

있다. 2010년 1월 1일	그리고 살아가 하시다는 현기에 가는 이 이 그리고 있었다. 아는 그는 것은 이 안하기 들었다.	BESTER - 대중요net : 시간용하다 전환 및 관련 보다 한다. 전환 사람.	
Roller Curl Base	Roller Curl Stem	Roller Curl	
Roller On Base	Roller Half Base	Roller Off Base	

#### ESSENTIAL REFLECTIONS

Hairstyling is an art form; hair is the medium, and you are the artist. Hairstyling results from a detailed set of principles, elements, tools, and implements. You will need to learn to master the use of the tools and implements used in hairstyling as well as how to properly prepare the hair for the styling service.

What is yo	our favorite hairstyling technique? Explain why.
	·
What hairs	styling techniques are you most comfortable performing?
winat nane	ryling teeriniques are you most connortable performing:
···	
	nique are you least comfortable performing? How do you plan to our skillset?
10	

## ESSENTIAL DISCOVERIES AND ACCOMPLISHMENTS

In the space provided, write notes about key points learned in the chapter. Share your Essential Discoveries with other students in your class and ask if the notes are helpful to them. You may want to update your discoveries based on any good ideas shared by your peers.

Discoveries:					
					-
				-	
					·····
					·
			·		
List at least three thin	ngs you have	accomplish	ed since your	last entry tha	at relate to
your career goals.					
Accomplishme	ents:				
				· · · · · · · · · · · · · · · · · · ·	
	-				
				,	

10.		points are points on t		
		the head changes or the behavior of	f the	e hair changes, such as the ears,
	ja	wline, occipital bone, or apex.		
	a)	Parietal	b)	Crown
	c)	Elevation	d)	Reference
11.		lines are parallel to th	e fl	oor.
	a)	Horizontal	b)	Perpendicular
	c)	Diagonal	d)	Vertical
12.	Li	nes that are perpendicular to the floo	r ar	re lines.
	a)	parallel	b)	perpendicular
	c)	diagonal	d)	vertical
13.	Α	haircutting technique that is measure	ed i	n degrees is
	a)	carving	b)	elevation
	c)	clipper-over-comb	d)	traveling
14.	Li	nes that are used for blending and st	ack	ing arelines.
	a)	parallel	b)	perpendicular
	c)	diagonal	d)	vertical
15.	Α	stable guide that does not move is a	lso	known as a guide.
	a)	moving	b)	traveling
	c)	stationary	d)	mobile
16.		hen the hair is cut at 90 degrees and haircut.	hig	gher, the result is
		blunt	b)	layered
		graduated		blended
17.	A	180-degree haircut is also known as	a _	
	a)	low elevation cut	b)	combined elevation cut
	c)	long layered haircut	d)	blended elevation cut
18.	Α	0-degree haircut is also known as		elevation.
	a)	no	b)	high
	c)	reverse	d)	blended
19.		barbering technique that has become eover-comb methe	-	opular with cosmetologists is
	a)	clipper	b)	razor
		trimmer	•	scissors
20.	-	an is a thin continu	•	
		angle		line
		elevation	•	section

Term	Definition
	create movement and volume in the hair by releasing weight
	area of the head between the apex and back of the parietal ridge
	inner or internal part
	haircut in which the hair is cut at a 90-degree angle
	bone that protrudes at the base of the skull
	a type of diagonal line that creates movement away from the face
	a type of diagonal line that creates movement toward the face
	where and how the hair is moved over the head
	also known as slithering
	process of working metal to a finished shape by hammering or pressing
	points on the head that signal a change in the shape of the head, from flat to round or vice versa
	haircutting technique in which pieces of hair are snipped out at random intervals
	haircutting technique in which pieces of hair are snipped out at random intervals
· · · · · · · · · · · · · · · · · · ·	elevation that occurs when a section is lifted about 0 degrees
	direction in which the hair grows from the scalp
	widest area of the head, usually starting at the temples and ending at the bottom of the crown
	haircutting technique in which the tips of the shears are used to cut points into the ends of the hair
	texturizing technique similar to razor-over-comb, done with small, circular motions
	also known as shear-over-comb

Performance Assessed	1	2	3	4	Improvement Plan
At parietal ridge, elevated the hair at 90 degrees, and point cut the corners to blend with the sides					
Blow-dried hair with a vent brush and then detailed the bangs with point cutting					
(optional) Texturized with slicing and carving for a disheveled look					

#### ESSENTIAL REVIEW

#### **\*\*\* ACTIVITY 1** Matching Exercise A

Match the essential terms with their identifying terms or phrases.

beveling	Back part of the neck; the hair below the occipital bone
carving	2. Outer line
taper	3. Highest point on the top of the head
razor-over-comb	4. Haircutting technique similar to scissor-over-comb, except that the clippers move side to side across the comb rather than bottom to top
clipper-over-comb	5. Haircutting technique done by placing the still blade into the hair, resting it on the scalp, and then moving the shears through the hair while opening and partially closing the shears
арех	6. Also known as head shape
angle	7. Space between two lines or surfaces that intersect at a given point
perimeter	8. Haircutting effect in which there is an even blend from very short at the hairline to longer lengths as you move up the head
head form	9. Texturizing technique in which the comb and the razor are used on the surface of the hair
nape	10. Technique using diagonal lines to create angles by cuttingthe ends of the hair with a slight increase or decrease in length

Performance Assessed	1	2	: ;	3 4	4		lmp	roven	nent Pla	an	
Followed that same guide and technique around the horseshoe section											
Cross-checked the sides to eliminate any corners in the design line											
Blow-dried the section below the horseshoe with a comb in a downward motion until dry											
Used this section as a guide											
Used clippers, starting on the side of the front hairline; held your comb in a slight diagonal back angle against the scalp											
Elevated the hair out at 90 degrees to expose your guide											
Placed your clippers against the comb and cut the section up to your guide											
Tilted the comb at a 45-degree angle and cut short to long											
Kept subsection to no wider than the width of the comb.											
Used steady uniform strokes and glided the clippers up the comb to the guide											***************************************
Continued to comb the hair in a slight diagonal back fashion, elevating it at 90 degrees, and cutting to the guide											
Continued this technique until the center back was reached											

Performance Assessed	1	2	3	4	Improvement Plan
Cut the line square to the guide and stood to the side to comb the hair into natural fall					
Stepped to the back and cut the line square					
Repeated the same technique on the opposite side		BILL COMPANY  DISCLAMA  PORTS  TOTAL  TOTAL			
Continued cutting the hair in the horseshoe until the profile part was reached					
On the sides, took a diagonal back parting from the profile part to the top of each ear					
Stood to the front side of the client, combed the hair parallel to the diagonal back parting, elevated to 45-degree angle from the face					
Started at the bottom corner; cut the hair in small increments to the length of the chin					
Avoided cutting the corner at the sideburn area or just in front of the ear					
Took another diagonal back parting					
Extended to behind the ear					
Combed the hair parallel to the parting, elevated at 45 degrees, and followed the guide					
Only cut hair from the corner, not what was behind the ear					

Performance Assessed	1	2	3	4	Improvement Plan
Dried the hair a paddle brush					
Texturized the interior to remove weight by using deep point cutting					
Held the section 2 inches (5 centimeters) from the ends and enter the section parallel so you did not remove any length; worked in 1-inch (2.5 centimeters) panels					
Did not angle your shears or close the blade on the way out to avoid cutting fingers					
Used your mirror and look at the balance					
Detailed the bang area and perimeter with point cutting and carving techniques					

## LONG-LAYERED HAIRCUT PROCEDURE ASSESSMENT (RIGHT- OR LEFT-HANDED)

Performance Assessed	1	2	3	4	Improvement Plan
Draped client for a shampoo					
				1500	
Shampooed and conditioned the hair as necessary					
Escorted the client back to the styling chair					
Secured a neck strip around the client's neck					

Performance Assessed	1	2	3	2	4			100	npi	rov.	em	ent	: PI	an		
Created a guide, took a ½-inch wide (1.25 centimeters) profile section from the front hairline to the nape				in the second se												
Cut palm-to-palm until apex was reached, then switched hand position																
Started at the nape, elevated the hair to 90 degrees and cut 3 inches (7.5 centimeters) in length, working in small increments following the head shape																
Above the occipital, switched hand position and cut to the second knuckle to avoid corners forming on the line																
Followed the guide to the front hairline																
Once center guide was cut, checked the length for balance and removed any corners																
After completing the guide, made a horseshoe section from recession to recession and below the crown																
Made a clean and balanced section at both sides of the recession																
Made a horizontal parting from the occipital to the back of each ear and clipped the section above your horizontal line																
At the back, took a center section from the occipital to the nape and divided the first profile section guide in half																A 4 - 22 ( ) [ ]
Starting at the center back, took a slight diagonal forward parting through to the nape, incorporating the guide from the profile section																
Elevated the hair to 90 degrees and cut parallel to the parting for the subsection following the guide																

Performance Assessed	1	2	3	4	Improvement Plan
Decreased elevation to one-finger's depth just behind the ear where the transition to the sides and the bob line begins					
From the ear forward, held the hair in the comb to release tension and cut at 0 degrees parallel to the horseshoe parting					
Repeated the same steps on the opposite side					
Continued taking sections from the horseshoe until the natural side part is reached and all remaining hair has been cut following the guide					
Created a radial section by taking a radial parting from the crown to the top of each ear. Took a ½-inch wide (1.25 centimeters) central vertical subsection from the crown to the occipital					
The hair in this section is elevated to 90 degrees and overdirected back. The guide is taken from the perimeter of the graduation for the length					
Point cut following the head shape, and did not cut below the occipital					
Pivoting subsections are combed to 90 degrees, overdirected back, and, using a traveling guide, cut parallel to the head					
Repeated step on the opposite side					
At sides of the head, took a horizontal subsection from the natural side part, elevated to 90 degrees, overdirected back, and point cut following the guide from the radial section					
Kept elbows up to avoid cutting into the perimeter					

#### GRADUATED HAIRCUT PROCEDURE ASSESSMENT(RIGHT- OR LEFT-HANDED)

Performance Assessed	1	2	3	4	Improvement Plan
Draped client for shampoo					
Shampooed and conditioned the hair					
Escorted client back to styling chair					
Secured a neck strip around client's neck					
Placed a cape over the neck strip and fastened					
Folded the neck strip down over the cape					
Began first section by taking the parting from the client's natural side part back to the crown					
Took a central parting from the crown to the nape					
At the occipital bone, took a diagonal forward parting from the central parting to the middle of each ear					
Took a pivoting diagonal forward ½-inch (1.25 centimeters) wide subsection and elevated it to 45 degrees and cut parallel to the parting					
Make sure that the section is no longer than 2 to 3 inches in length					

Performance Assessed	1	2	3	4	Improvement Plan
Checked balance					
Created another set of diagonal forward partings from the top of the occipital to the top of each ear					
Cut parallel to diagonal forward parting and followed length of guide					
Positioned client's head upright					
Created a horseshoe section just below the crown and extended to the front hairline					
Started in the rear of the horseshoe section		i			
Used the wide teeth, combed the hair over the previously cut hair to its natural fall					
Followed the guide beneath; cut the line along the comb until reached the side below the ear				-	
Continued to comb hair to natural fall on the sides just behind the ear					
Cut the hair parallel to the horseshoe parting					
Repeated on the opposite side					
Stood behind the client and checked the lengths on both sides					

ŀ	Remove	length	for faci	al hair: ַ	 	 	
_						 	
_					 	 	 

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#### BLUNT HAIRCUT PROCEDURE ASSESSMENT (RIGHT- OR LEFT-HANDED)

Performance Assessed	<b>1</b>	2	3	4	Improvement Plan
Draped client for shampoo					
Shampooed and conditioned the hair					
Escorted client back to styling chair		The second secon			
Secured a neck strip around client's neck					

#### **TACTIVITY 4** Haircut Procedures and Techniques

Explain the purpose of the following procedures.

Cross-Checking a Haircut	
Slide Cutting	
•	
Scissor-over-Comb Technique	

### ESSENTIAL EXPERIENCE 6

# Understand Other Cutting Techniques

#### **ACTIVITY 1** Cutting the Bangs (Fringe)

What are the five basic types of bangs (fringes)? Complete the chart below. List the type of bang in the left column and then describe when you would commonly use it (perhaps on a certain hair length?) in the right column.

Type of Bang (fringe)	Description

#### **TACTIVITY 2** Art Research Project

Look through magazines for pictures of the four basic haircuts. Paste the photos on a separate sheet of paper. Share your findings with the class.

#### **\*\*\* ACTIVITY 3** Haircutting Techniques Word Scramble

Using the clues provided, unscramble the terms given below.

Scramble	Correct Word
ntlub uct	
	Clue: One-length haircut
adterudga	
	Clue: Ends appear to be stacked
nergif	
	Clue: Triangular section that begins at apex and ends at from
egrynial	<del></del>
	Clue: Cutting the hair with elevation or overdirection
iseontcs	
	Clue: Divisions in hair before cutting into working areas
ladnioag	Charles Between having and continue
	Clue: Between horizontal and vertical
lenaigvrt	Charles Marine
	Clue: Moving
liavctre	——————————————————————————————————————
	Cide. Perpendicular to the horizon
diew hotot	——————————————————————————————————————
1	olde. Johns mainly used to detailgle hall
sderge	——————————————————————————————————————
	Orac. Homove supermous hair around the modifies and cars
utsenoicsb	Clue: A section that is divided into smaller areas
hrlwo	one in the divided into diffusion and de
TITIVO	Clue: Requires less tension when cutting
zrogr.	
zroar	Clust Cuts hair with softer adda

#### ESSENTIAL EXPERIENCE 4

## Understand Proper Posture and Body Position and Maintain Safety in Haircutting

ACTIVITY 1 Proper Posture and Body Position				
t are three things you can do to ensure proper posture and body position cutting hair?				
ACTIVITY 2 Maintain Safety in Haircutting safety tips to follow when haircutting.				

#### ESSENTIAL EXPERIENCE (3)

# Show Proper Use of Haircutting Tools

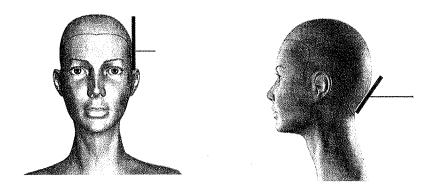
# **CACTIVITY 1** Choose the Right Tools List the 10 tools needed for haircutting. What is the function of each tool? 4. \_\_\_\_\_\_

#### **ACTIVITY 4** Lines, Sections, Elevations, and Guidelines

Window paning is the process of transferring key elements, points, or steps in a lesson into visual images that are hand sketched into the squares, or panes, of a matrix. Let your mind think in pictures, and sketch the essential concepts printed in each of the following windowpanes. Do not be concerned with your artistic ability. Use lines and stick figures to depict each concept.

Parallel Lines	Perpendicular Lines	Horizontal Lines
	·	
•		
Vertical Lines	Diagonal Lines	0-Degree Elevation
45-Degree Elevation	90-Degree Elevation	180-Degree Elevation

Demonstrate your understanding of reference points. Label the standard reference points on the head form outlines.





Locate the four corners and draw them on the diagram below.



### ESSENTIAL OBJECTIVES

After studying this chapter and completing the Essential Companion components, you will be able to:

Identify the reference points on the head Perform the four basic haircuts. and understand their role in haircutting. List the multiple ways to section and Define lines, sections, elevations, and cut the bang (fringe) area. guidelines. Discuss and explain three different List the factors involved in a texturizing techniques performed with successful client consultation. shears. Explain the uses of the various tools Explain a clipper cut. of haircutting. Identify the uses of a trimmer. Name three things you can do to ensure good posture and body position

### why study HAIRCUTTING?

while cutting hair.

Haircutting is a technique that requires many hours of practice and a vivid imagination. It is an extremely important skill that must be mastered because the cut serves as the basis for every hairstyle. It may not be done as frequently as a shampoo or style, but it is certainly completed more frequently than chemical services. If you want to ensure that the style you provide your client is the most attractive and will look good even when he or she styles his or her own hair, you must deliver a quality haircut. The way to accomplish this is with frequent practice, repetitive exercises, timed procedures, and a strong desire to become an accomplished haircutter.

Cosmetologists should study and have a thorough understanding of haircutting because:

- Haircutting is the basic foundational skill on which all other hair design is built.
- Being able to rely on your haircutting skills and techniques when creating a haircut is what will build confidence, trust, and loyalty between a cosmetologist and her clients.
- > The ability to duplicate an existing haircut or create a new haircut from a photo will build a stronger professional relationship between stylist and client.
- ➤ A good haircut that is easy to style and maintain will make clients happy with their service and will build repeat services.
- Studying the fundamentals will allow you to understand advanced haircutting techniques.
- > Specializing in haircutting will increase your career opportunities and profits as a hairstylist.

13.	The inner side of the wrist is used to test water
14.	Biotin and protein are conditioning agents that restore moisture and elasticity
	strengthen the hair shaft, and add
15.	cleanse the hair and scalp before a service.
16.	The key to determining which shampoo will leave the hair shiny and
	manageable is the list of
17.	The amount of in a solution determines whether it is
	more alkaline or more acid.
18.	Shampoos that are more acidic will fall in the range of on the
	pH scale.
19.	Shampoos that are more alkaline will fall in the range of on
	the pH scale.
20.	A pH-balanced shampoo will fall in the range of on the pH
	scale.
21.	shampoos contain special chemicals that are effective in
	reducing excessive dandruff.
22.	Most conditioners contain silicone along with moisture-binding
	that absorb moisture or promote the retention of moisture.
23.	Scalp remove oil accumulation from the scalp and are
	used after a scalp treatment.
24.	Products that do not remove artificial color from the hair are known as

Performance Assessed	1	2	3	4	Improvement Plan
	san.				
Rotated and moved client's scalp					
		allorda Allorda			
Repeated step above four times					
Held back of client's head with left hand					
Placed stretched thumb and fingers on forehead		:			
					The state of the s
Moved hand slowly and firmly upward to 1 inch (2.5 centimeters) past hairline					
Tilleri (c.) Certimeters) past namine					
Repeated four times					
Placed palms firmly against scalp					
Lifted scalp in rotary movement above					
client's ears					
Lifted scalp in rotary movement at front and back of head					
Placed fingers of both hands at client's					
forehead					
Massaged around hairline by lifting and rotating					
Repeated the preceding movement over the					
entire head, moving back toward the nape					

Performance Assessed	1	2	3	4		Imp	rove	ment	Plan	
Draped the towel over the client's head										
Massaged the hair until partially dry										
Asked the client to sit up										
Cleaned shampoo bowl										
Escorted client back to workstation										
Completed drying the hair										
Pinned it up and out of the way if needed										
Changed drape if needed										
Combed hair beginning at nape										
Proceeded to rest of service										

Performance Assessed	1	2	3	4	Improvement Plan
Began at front hairline and worked in back and forth movements until reached top of head					
Continued to back of head, shifting fingers back 1 inch (2.5 centimeters) at a time					
Lifted client's head with dominant hand					
With nondominant hand, started at top of right ear using back and forth movement; worked to back of head					
Dropped fingers down about 1 inch (2.5 centimeters), repeated process until right side of head had been shampooed					
Began at left ear and repeated the prior two steps on the left side of the head					
Allowed client's head to relax and worked around hairline with thumbs in a rotary movement					
Repeated all steps until scalp was thoroughly shampooed					
Removed excess lather by squeezing hair gently					
Rinsed hair thoroughly					
Used strong spray, lifted hair at crown and back with fingers of left hand; permitted spray to rinse hair thoroughly					
Cupped hand along nape line and patted the hair, forcing spray against base scalp area					

Store implements.
Remove gloves and wash hands.
Fill disinfectant container.
Collect implements to bring to your station.
Review intake form and service record card (for returning clients). Have an intake form ready for new clients.
Prepare self by taking care of personal needs before client arrives.
Wash hands.
Clear head.
Number the following post-service steps in the order they should occur.  Record information on the intake form and service card.  Prepare station for the next customer.
Prepare station for the next customer.
Thank client.
Advise client on at-home maintenance.
Clean and disinfect tools and implements.
Schedule the next appointment.
Determine if client satisfied.
Put on gloves.
Escort client to reception desk, write up service ticket, and recommend products.

#### ESSENTIAL RUBRICS

Rubrics are used in education for organizing and interpreting data gathered from observations of student performance. A rubric is a clearly developed scoring document used to differentiate between levels of development in a specific skill performance or behavior. A rubric is provided in this study guide as a *self-assessment tool* to aid you in your behavior development.

Rate your performance according to the following scale.

- (1) **Development Opportunity:** There is little or no evidence of competency; assistance is needed; performance includes multiple errors.
- (2) Fundamental: There is beginning evidence of competency; task is completed alone; performance includes few errors.
- (3) Competent: There is detailed and consistent evidence of competency; task is completed alone; performance includes rare errors.
- (4) **Strength:** There is detailed evidence of highly creative, inventive, mature presence of competency.

Space is provided for comments to assist you in improving your performance and achieving a higher rating.

# ESSENTIAL EXPERIENCE (5) Use Professional Draping

**CACTIVITY** Draping

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		1 11 1 11 11 11 11 11 11 11 11 11 11 11	

### **TACTIVITY 3** Shampoo Hair Swatches

Collect hair swatches for various types of hair including normal, color-treated, relaxed, and permed. Shampoo the swatches at least five times with one available shampoo product, using a different shampoo for each swatch. Report the effects of the shampoo on each swatch.

Swatch Type	Shampoo Used	Results
Normal		
Color-treated		
Relaxed		
Permed		
	ACTIVITY 4 Soft and Hard W. Arrange to have both soft and hard water average to have both soft and hard water average the different water types and a profession the product's lathering ability, cleansing ability afterward. Record your results in the space products	ailable for use in this experiment. sional shampoo product, compare ty, and the appearance of the hair

# Number the following hair brushing Steps in the order they should occur. Lay brush (held in dominant hand) with bristles down on hair close to scalp. Repeat brushing three times on each strand. Make client comfortable. Remove hair ornaments, jewelry, and glasses. Examine scalp. Subsection hair 1 inch (2.5 centimeters) from front hairline to crown. Move onto next portion of the service. Use half-head parting. Hold strand of hair in nondominant hand between thumb and fingers. Rotate brush by turning wrist slightly and sweeping bristles full length of hair shaft. Continue brushing until entire head had been brushed. Drape client for a shampoo.

### 

Complete the following chart.

Type of Hair	Root Cause	Treatment
Dry Hair	<ul><li>(1) Excessive exposure to sun, water and wind</li><li>(2) Chemicals, harsh soaps, and topical products</li></ul>	
Oily Hair	Created from overactive sebaceous glands due to overexertion, misuse, and layering of heavy products and changes in the body	
	What products are recommended to a	ddress dandruff?
		r Scalp Treatments  none to research products that can be used  on. Write your findings in the space provided

Cosmetologists should study and have a thorough understanding of scalp care, shampooing, and conditioning because:

- > The shampoo service is the first opportunity to reinforce your position as a professional who attends to the specific, individual needs of your client.
- > You will be able to examine, identify, and address hair and scalp conditions that do not require a physician's care and be able to refer clients to a physician if a more serious issue is identified.
- > A general knowledge of product category choices will assist you in determining the best preparation for other services to be performed.
- > A successful home-care regimen recommendation will keep your work looking its best for all to see.

	2	9	-		*****	IA		R			0	7	N	9
-		-	i de la constante de la consta	1 V		1/ %	1	1 1		Acres Rosses		9	l VI	

List the hair products that you use of	on a regular basis.
How do the product(s) impact the co	
recommend them to others? Why?	ondition of your scalp and hair? Would you
	ondition of your scalp and hair? Would you
	ondition of your scalp and hair? Would you
	ondition of your scalp and hair? Would you
	ondition of your scalp and hair? Would you
	ondition of your scalp and hair? Would you
	ondition of your scalp and hair? Would you
	ondition of your scalp and hair? Would you

### ESSENTIAL DISCOVERIES AND ACCOMPLISHMENTS

In the space provided, write down key points learned in the chapter. Share your Essential Discoveries with the other students in your class and ask the notes are helpful to them. You may want to update your discoveries based on any good ideas shared by your peers.

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	,			
	***************************************			
		AMOUNT		
	1 100-00-0		180	_
your career goals.				
Accommissionants				
Accomplishments				

28.	for	ng to create length i	n the face would be best
	a) a wide forehead	b)	close-set eyes
	c) a narrow forehead	d)	wide-set eyes
29.	Directing the hair forward for	ard over the sides o	f the forehead is best
	a) a wide forehead	b)	close-set eyes
	c) a narrow forehead	d)	wide-set eyes
30.	Asymmetrical, off-cent	er styles are best fo	or
	a) a narrow forehead	b)	close eyes
	c) a long jaw line	d)	a crooked nose
31.	The profile that has a r		nd chin is called
	a) convex	b)	concave
	c) straight	d)	curved
32.	The profile that has a p		and chin is called
	a) convex	b)	concave
	c) straight	d)	curved
33,	Bangs with little or no	volume should be ι	used for a
	a) receding forehead	b)	large forehead
	c) low forehead	d)	small forehead
34.	A part that helps developed the	• -	nd make thin hair appear fuller is
	a) center	b)	side
	c) diagonal	d)	zigzag
35.	The hairstyle.	part should be use	d to create width or height in a
	a) triangular	b)	diagonal
	c) side	d)	zigzag
36	. The	part is used to crea	ate a dramatic effect.
	a) triangular	b)	diagonal
	c) side	d)	zigzag
37	. The section.	part is considered	to be the basic parting for the banç
	a) triangular	b)	diagonal
	c) side	d)	ziazaa

O	the line.	n the one-length or blunt cut hairstyle is	
	a) single	b) contrasting	
	c) transitional	d) repeating	
9	Lines that meet at a 90-degree angled lines.	e and create a hard edge are	
	a) single	b) contrasting	
	c) transitional	d) repeating	
10	. Curved lines used to soften and blen as lines.	nd horizontal or vertical lines are known	1
	a) vertical	b) contrasting	
	c) transitional	d) repeating	
11	Lighter and warmer colors are used	to create the illusion of	
	a) dimension	b) repetition	
	c) volume	d) closeness	
12.	Dark and cool colors move forward of less	or toward the head and create the illusi	on
	a) volume	b) height	
	c) width	d) strength	
13.	When choosing haircolor, it should be client's	oe compatible with the	
	a) eye color	b) skin tone	
	c) family's choice	d) childhood dreams	
14.	Texture can be natural or created wit curling irons, or	th styling techniques, chemical changes	3,
	a) client's desire	b) stylist's desire	
	c) hair brushing	d) hot rollers	
15.	Curly hair can be permanently straig	htened with	
	a) curling irons	b) hair relaxers	
	c) pressing irons	d) crimping irons	
16.	Curly and extremely curly hair do no be to the touch.	t reflect much light and could	
	a) soft	b) smooth	
	c) limp	d) coarse	
17.	The five principles of hair design are and	proportion, balance, rhythm, emphasis	,
	a) symmetry	b) asymmetry	
	c) harmony	d) diagonal	

DOWN		
Word	Cli	ue
	1.	Outline of the overall hairstyle
	2.	Lines positioned between horizontal and vertical
	4.	Holds all of the elements of the design together
	5.	Curved lines used to blend and soften
	10.	Hairstyle design that is similar on both sides of the face
	_ 11.	Triangular section that begins at the apex and ends at the front corners
	14.	The area surrounding the form or the area the hairstyle

	cial Considerations Matching Exercise
waten the following essenti	al terms with their identifying terms or phrases.
Wide forehead 1	. An asymmetrical, off-center style is best.
Close-set eyes 2	. Use curved lines at the jaw line.
Crooked nose 3	. Direct hair forward over the sides of the forehead.
Square jaw 4	. A receding forehead and chin.
Long jaw 5	. Use bangs with little or no volume.
Convex profile 6	. Hair should be full and fall below the jaw.
Large forehead 7	. Direct hair back and away from the face at the temples
Prominent nose 8	. Bring hair forward at forehead with softness around face
Small chin 9	. Hair should be longer or shorter than chin.
Large chin 10	. Move hair up and away from face along chin line.
<b>MACTIVITY 4</b> Spe	cial Considerations Matching Exercise
	al terms with their identifying terms or phrases.
Narrow forehead	1. Use straight lines at the jaw line.
Wide-set eyes	<ol><li>Direct bangs over the forehead with outward directed volume.</li></ol>
Wide, flat nose	<ol><li>Hair should sweep off the face, creating a line from nose to ear.</li></ol>
Round jaw	4. A prominent forehead and chin.
Straight profile	5. Direct hair away from the face at the forehead.
Concave profile	6. Use a higher half bang to create length in the face.
Receding forehead	7. Direct hair forward in the chin area.
Small nose	8. Draw hair away from face, use center part.
Receding chin	9. Ideal profile.
Bang	10. Triangular section that begins at the apex and

ends at the front corners.

# ESSENTIAL EXPERIENCE (5) Create Harmony between Hairstyle and Facial Structure

### **MACTIVITY 1** Facial Shapes

Creating harmony between hairstyle and facial structure is one of the most challenging opportunities you will face as a stylist.

Look through magazines and online to find pictures that depict the face shapes indicated below. Paste a picture for each facial type. Under the picture, list characteristics for each.

	Oval	Round	1000 to 1000 t
	Square	Triangular	(4)49 
	Oblong	Diamond	_ \$
1700 1478	Inverted Triangle	Other	

	/ITY 5 Emphasis
∟mpnasis is	the focal point or the point of prominence in the hairstyle. Our eyes
tend to see t	this part of the style first.
List a few ide	eas of how you can add emphasis to a hairstyle.
what holds al	ITY 6 Harmony  nony, none of the other principles of design will work. Harmony is
what holds al known, a cele nairstyle, but	
what holds al known, a cele nairstyle, but	iony, none of the other principles of design will work. Harmony is I the elements of the design together. Think about anyone you have ebrity perhaps, who may have had great color or balance in their the harmony just did not happen. List their names here and explain
vhat holds al known, a cele nairstyle, but	iony, none of the other principles of design will work. Harmony is I the elements of the design together. Think about anyone you have ebrity perhaps, who may have had great color or balance in their the harmony just did not happen. List their names here and explain
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what holds al known, a cele nairstyle, but	iony, none of the other principles of design will work. Harmony is I the elements of the design together. Think about anyone you have ebrity perhaps, who may have had great color or balance in their the harmony just did not happen. List their names here and explain
what holds al known, a cele nairstyle, but	iony, none of the other principles of design will work. Harmony is I the elements of the design together. Think about anyone you have ebrity perhaps, who may have had great color or balance in their the harmony just did not happen. List their names here and explain
what holds al known, a cele nairstyle, but	iony, none of the other principles of design will work. Harmony is I the elements of the design together. Think about anyone you have ebrity perhaps, who may have had great color or balance in their the harmony just did not happen. List their names here and explain

### **MACTIVITY 3** Balance

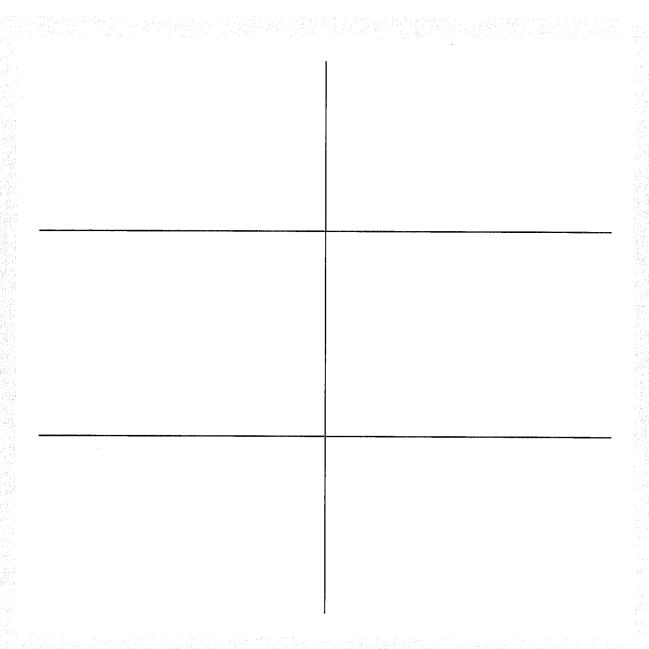
When referring to balance, we mean that the hairstyle is equal in size or volume around the head. It can be both symmetrical or asymmetrical.

Please complete the activity below by pasting pictures from magazines or found online that depict the types of balance listed.

1	
İ	
	Cummatry with Different Shapes
	Symmetry with Different Shapes, Same Volume
Df1 Company of the t	Same Volume
Pertect Symmetry	Same volumo
Perfect Symmetry	Same volume
Perfect Symmetry	Same volume
Perfect Symmetry	Same volumo
Perrect Symmetry	Same volumo
Perrect Symmetry	Same volumo
Perrect Symmetry	Same volume
Perfect Symmetry	
Perfect Symmetry	Same volume
Perfect Symmetry	Same volume
Perrect Symmetry	Same volume
Perrect Symmetry	Same volume
Horizontal Asymmetry	Diagonal Asymmetry

#### **ACTIVITY 5** Haircolor

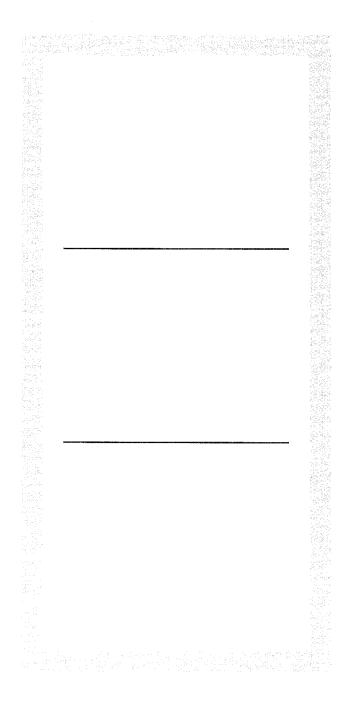
Using your favorite old magazines or search online, select several pictures of different hairstyles and paste them below or on a separate piece of paper. Indicate which styles are improved because of color and which ones are just colored for the sake of color. Discuss in a group how the color can be changed to make a difference.



### **CACTIVITY 3** Form

Take photos of a hairstyle on a client or another student from three different angles. Take the photo and cut around the *perimeter* of the hairstyle for each angle. Outline the style in the area provided below. Discuss with fellow students how different the silhouette is from various angles. Is the hair form in proportion to the shape of the head and face, the length and width of the neck, and the shoulder line?

(If a digital camera or camera phone is not available for your use, consider creating a silhouette on the board in the classroom by adjusting the overhead lighting and using a flashlight or spotlight to create a shadow on the board. Once you have traced three different silhouettes of the hairstyle on the board, copy a smaller version in the space provided.)



### ESSENTIAL EXPERIENCE (2)

### Define the Elements of Hair Design

ACTIVITY 1	The Elements	of Design
------------	--------------	-----------

Line, form, space, design texture, and haircolor are the elements of hairstyling. Explain how each element relates to hairstyling.

•	Line:
•	Form:
<b>\$</b>	Snace
•	Space:
9	Design Texture:
•	Haircolor:

### ESSENTIAL REFLECTIONS

You must first gain an understanding of the five elements of design, which are form, space, line, color, and texture. Then you must experiment with those five elements to create a variety of designs. You must also gain knowledge of the principles of hair design, which include proportion, balance, rhythm, emphasis, and harmony, and how each affects the end result. Finally, you must learn about all the client's personal circumstances, which will impact the overall design. These include the client's face shape, facial features, head shape, profile, and whether or not the client wears eyeglasses. All of these concepts will be contributing factors in providing the client with a complimentary and satisfactory hair design.

/hat or whom are yo air design?	·	
	 .,,_,	 

### ESSENTIAL DISCOVERIES AND ACCOMPLISHMENTS

In the space provided, write down key points learned in the chapter. Share your Essential Discoveries with the other students in your class and ask if they are helpful to them. You may want to update your discoveries based on any good ideas shared by your peers.

Discoveries:
List at least three things you have accomplished since your last entry that relate t your career goals.
Accomplishments:

### **\*\*\* ACTIVITY 2** Crossword Puzzle Review

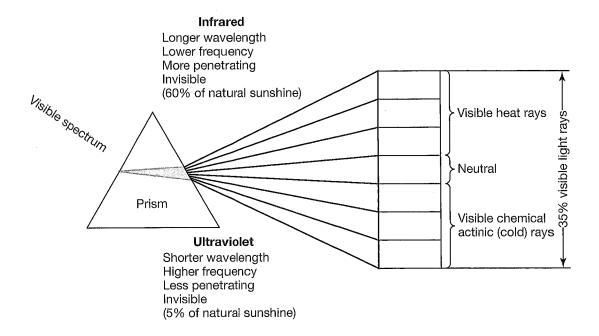
Complete a crossword puzzle using the following clues or definitions.

		1	2 3
		4	5
	6		
	7		
8			
9			
	10		
	<u>,                                    </u>		
11			
<u> </u>			
	12		13
	14		15
16		17	
18			
19 20			
			L
			H I
<u> </u>			

#### **TACTIVITY 2** The Visible Spectrum of Light

Color in the visible spectrum depicted in the diagram at the top of the following page using colored markers, pencils, or crayons. If you do not have drawing tools accessible, write in the name of the color in the boxes.





# ACTIVITY 3 Light Therapy What is light therapy?

Complete the chart that lists light therapy devices. Include the conditions the device can be used to treat and the benefits. Compare your list with several of your classmates.

Device	Treatable Conditions
Lasers	
Light-Emitting Diode	
Intense Pulse Light	

# ESSENTIAL EXPERIENCE (4) Identify Other Electrical Equipment

### **PACTIVITY** Electrical Equipment Matching Exercise

Using the clues provided, identify the type of electrical tool from the bank of tools provided. Write the number of the clue next to the electrical tool.

	conventional hood hair dryer
<u>-                                      </u>	flat irons
	steamer or vaporizer
	haircoloring processing machines
	heating caps
	ionic hair dryers with crystalline mineral tourmaline and styling irons
	lasers, light-emitting diode (LED), and intense pulse light

#### Clues:

- 1. Provides a uniform source of heat and can be used with hair and scalp conditioning treatments.
- 2. This equipment is considered a medical device that should be used only by licensed professionals.
- 3. Source of dry heat that can be used to shorten chemical processing time.
- 4. Produces moist, uniform heat that can be applied to the head or face.
- 5. Have a built-in heating element and plug directly into a wall outlet.
- 6. Effective at combating static electricity and flyaway hair.
- 7. Shorten the time it takes to process chemical hair services.

# ESSENTIAL EXPERIENCE (2) Practice Electrical Equipment Safety

Your safety as well as the safety of your clients should always be a top concern.

# Complete a chart of the electrical safety devices you may use in a salon. What is the function of each safety device? Electrical Safety Devices Function

Electrical Safety Devices	Function

#### **ACTIVITY 2** Safe Use of Electrical Equipment

Fill in the blanks for the selected safety precautions to be followed in order to avoid accidents and ensure greater client satisfaction.

IVO	id accidents and ensure greater client satisfaction.
1.	All the electrical appliances you use should be
2.	Read all carefully before using any electrical equipment.
3.	all appliances when not in use.
4.	all electrical equipment regularly.
5.	Keep all wires, plugs, and equipment in good
6.	Use only one plug to each
7.	You and your client should avoid contact with and metal surfaces when using electricity.
8.	Do not leave your client unattended while the client is to an electrical device.
9.	Keep electrical cords off the and away from people's feet.
10.	Do not attempt to around electric outlets while equipment is plugged in.
11.	Do not touch two objects at the same time if either is connected to an electric current.
12.	Do not step on or place on electrical cords.
13.	Do not allow an electrical cord to become as it can cause a short circuit.
14.	Disconnect appliances by pulling on the, not the cord.
15.	Do not attempt to electrical appliances unless you are qualified

### **ACTIVITY 4** Electrical Measurements Fill in the Blank

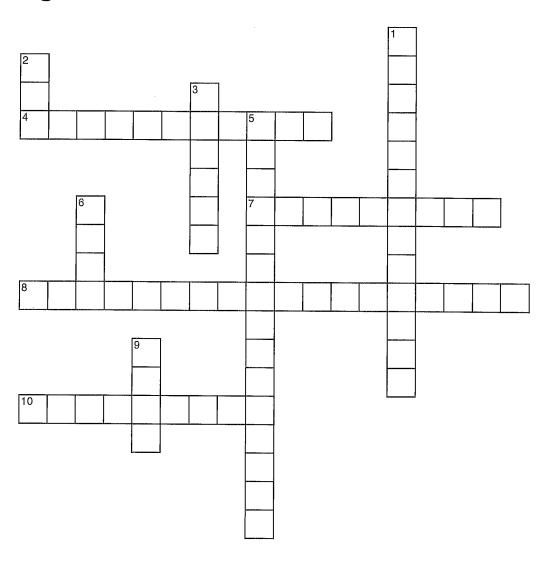
1. Electrical wall sockets that power your hair dryer and curling iron are

Complete each statement with the correct term.

volts.	
2. A hair dryer rated at	amps must have a cord that is twice as
thick as one rated at	amps.

- 3. \_\_\_\_\_ is the measure of the current used for facial and scalp treatments.
- **4.** Current will not flow through a conductor unless the volts are stronger than the .
- 5. A \_\_\_\_\_ light bulb uses 40 watts of energy per second.
- 6. A 1,000-watt hair dryer uses \_\_\_\_\_ of energy per \_\_\_\_.

### **ACTIVITY 5** Crossword Puzzle



### **ESSENTIAL REFLECTIONS**

In the space provided, list all of the things that you could not do without electricity Describe how electricity is important in everyday life.					it electricity.	
4						

## ESSENTIAL EXPERIENCE (1) Understand Electricity

	ACTIVITY 1 What is Electricity?
•	Define <i>electricity</i> . Include in your explanation key terms such as <i>electric</i> current, conductor, and nonconductor and their relationship to electricity.

• All materials can be classified as conductors or nonconductors. List the differences between the two in the chart below.

	Conductor	Nonconductor
Difference		
		: 

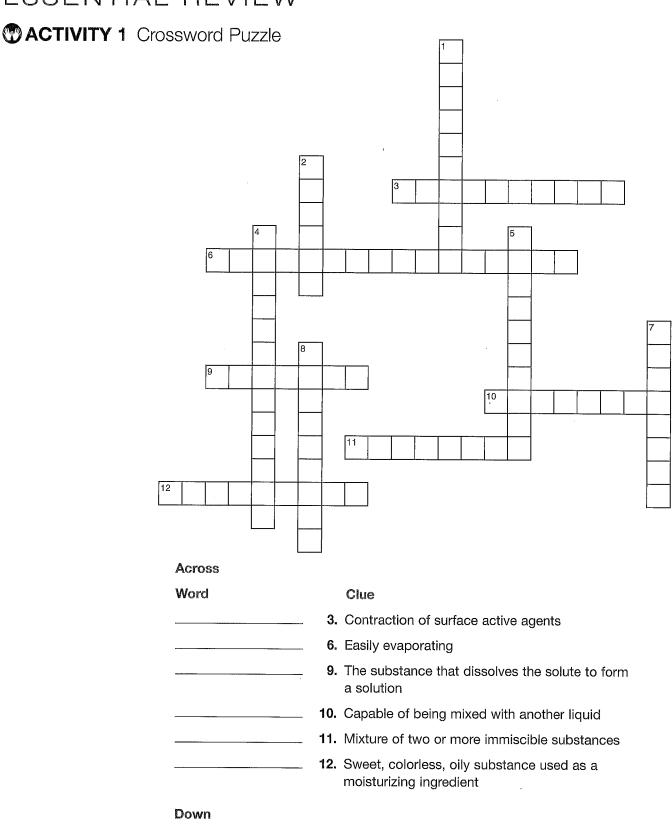
### ESSENTIAL DISCOVERIES AND ACCOMPLISHMENTS

In the space provided, write notes about key points learned in the chapter. Share your Essential Discoveries with other students in your class and ask if the notes are helpful to them. You may want to update your discoveries based on good ideas shared by your peers.

Discoveries:
List at least three things you have accomplished since your last entry that relate t your career goals.
Accomplishments:

	Ν	ot capable of being mixed
	С	pil-loving
	р	ny substance that occupies space and has mass; has hysical and chemical properties, and exists in the forn f a solid, liquid, or gas
		he addition of oxygen to a substance to produce an xide
	Α	stable physical mixture of two or more substances
	С	contraction of surface-active agents
		n unstable physical mixture of undissolved particles in liquid
		folecule that contains two or more atoms of the same lement in definite proportions
	m	n ingredient that brings two normally incompatible naterials together and binds them into a uniform and airly stable blend
	Α	n atom or molecule that carries an electrical charge
		iquids that are mutually soluble, meaning that they car e mixed together to form stable solutions.
	entia	al terms with their identifying phrases or definitions.
Chemical change	1.	Special type of ingredients used in hair conditioners
Acidic solution	2	and as a water-resistant lubricant for the skin
Acidic solution	۷.	A sweet, colorless, odorless, oily substance used as a moisturizing agent
Cation	3.	The separation of an atom or molecule into positive and negative ions
Physical change	4.	Subatomic particles with a negative charge
Anion	5.	A change in the form or physical properties of a substance without the formation of a new substance
Glycerin	6.	A change in the chemical and physical properties of a substance by a chemical reaction that creates a new substance
Chemical properties	7.	An ion with a negative electrical charge.
Ionization	8.	An ion with a positive electrical charge.
Electrons	9.	Characteristics that can only be determined by a chemical reaction and a chemical change in the substance
Silicone	10.	A solution that has a pH below 7.0

### ESSENTIAL REVIEW



Clue

1. Chemical reaction that produces heat

2. The substance that is dissolved in a solution

Word

### **TACTIVITY 2** Product Research

Research a variety of shampoos, conditioners, haircolors, permanent waves, relaxers, lotions, and creams. Find the pH for each product listed, and fill in the key ingredients and effects of each product on the hair.

Product Name	Key Ingredients	рН	How Will the pH Affect the Hair?

#### **TACTIVITY 8** Solutions, Suspensions, and Emulsions

List three physical mixtures in the chart. What determines the difference in each mixture? Give an example of each type of physical mixture. Chart your findings.

Type of Physical Mixture	Characteristics	Example

### **ACTIVITY 9** Differences Among Solutions, Suspensions, and Emulsions

Complete the chart as it relates to solutions, suspensions, and emulsions.

	Solutions	Suspensions	Emulsions
Miscible—M Immiscible—I			
Surfactants Yes-Y or NoN			
Particle size			
Solution Visibility			

### **\*\*\* ACTIVITY 5** States of Matter

Describe the three physical forms of matter and give examples of each.

Form of Matter	Description	Examples
Solid		
Liquid		
Gas		
-or example, when y	ed, list examples of how matter you melt an ice cube (a solid), it ecomes steam (a gas). Not all d rms.	becomes water (a liquid), and

# ESSENTIAL EXPERIENCE 2 Define Matter

	Α	C	TI	٧	IT	Y	1	What	ls	Matter?
--	---	---	----	---	----	---	---	------	----	---------

### **CACTIVITY 2** Elements

An element is the simplest form of chemical matter. It is composed of a single part or unit and cannot be reduced to a more simple substance. Of the 118 known elements, 98 elements are naturally occurring elements. Each element is identified by a letter symbol. The symbols for each element can be obtained by referring to the Periodic Table of Elements, found online or in almost any chemistry textbook. Numbers are used with the elements to indicate how many parts are found in the substance. In the chart below, list the symbols for each substance and then explain its composition. (See the example for water.)

Substance	Symbol	Composition
Water	H <sub>2</sub> O	Two parts hydrogen and one part oxygen
Ammonia		TO THE CONTROL OF THE SECOND SECOND CONTROL SECOND CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONT
Hydrogen Peroxide		
Nitric Acid		
Sodium Hydroxide		
Sodium Chloride		
Hydrogen		
Sulfur		
Nitrogen		
Oxygen		
Carbon		
Iron		
Lead		
Silver		

### ESSENTIAL REFLECTIONS

Like anatomy and physiology, chemistry may be a somewhat scary subject for you. Think of it this way: Chemistry is simply the study of matter, its composition, structure, properties, and the changes matter may undergo. Your goal in training as a cosmetologist is not to become a scientist, but to develop a comfort level with the basics and an ability to discuss chemistry in relation to your profession. This will increase your credibility significantly with your clients, especially during the consultation process.

	······			
			<del></del>	 
		<u>.</u>		
		<u>.</u>		 
<u>.</u>				 
	-			

# ESSENTIAL DISCOVERIES AND ACCOMPLISHMENTS

In the space provided, write notes about key points learned in the chapter. Share your Essential Discoveries with other students in your class and ask if the notes are helpful to them. You may want to update your discoveries based on good ideas shared by your peers.

Discoveries:
List at least three things you have accomplished since your last entry that relate to your career goals.  Accomplishments:

## **Properties of the Hair and Scalp:**Word Search

After determining the correct word from the clues provided, locate the words in the word search.

Word	Clue
	Abnormal hair loss
	Growth phase in the hair cycle in which new hair is created
	The lowest area or part of a hair strand
	The technical term for gray hair
	Inflammation of the subcutaneous tissue caused by staphylococci
	Transitional phase of hair growth
	Outermost layer of hair
	The number of hairs per square inch (2.5 square centimeters) on the scalp
	Chemical side bond that joins the sulfur atoms of two neighboring cysteine amino acids to create one cystine
	The ability of the hair to stretch and return to its original length withough breaking
	Tube-like depression, or pocket, in the skin or scalp that contains the hair root
	Combined with crinium, it is the technical term for brittle hair.
	Innermost layer of hair
	Technical term for beaded hair
	Dandruff
	The ability of the hair to absorb moisture
	The part of the hair structure found below the skin surface
	Skin disease caused by the mite
	Dry, sulfur-yellow, cuplike crusts on the scalp in tinea favosa or favus
	The portion of the hair that projects beyond the skin
	The degree of coarseness or fineness of the hair
	Ringworm
	Hair that forms in a circular pattern, as on the crown

### **TACTIVITY 2** Vocabulary Review

Using the following words, fill in the blanks below to form a thorough review of the vocabulary words associated with Chapter 11, Properties of the Hair and Scalp. Note: some terms may have more than one answer.

am	nino acids	eumelanin	polypeptide
an	drogenic alopecia	hair bulb	scutula
arı	ector pili	hair root	sebaceous glands
ca	nities	hair shaft	sebum
ca	rbuncle	hair stream	swelling
co	rtex	hydrogen	terminal
co,	wlick	hypertrichosis	trichology
cut	ticle	keratinization	trichoptilosis
daı	ndruff	monilethrix	vellus
dei	mal papilla	pediculosis capitis	
dis	ulfide	pheomelanin	
		technically called	
3.	Full-grown human hair i	s divided into two principal p	arts, which are known as
4		air found on the head is	1
		sped structure that forms the	
•	is known as the		lower part of the hair roo
6.		uscle attached to the unders	ide of the hair follicle is
7.		to contract the appearance of goose but	
8.	Oil glands, which consis	et of a sac-like structure in the	e dermis, are the
9.	An oily substance secre surface soft and supple	ted from the sebaceous glandis	ds that keeps the skin
10.	The outermost layer of t	he hair is called the	
11.	The cuticle layer of the h	nair can be raised by	•
12.	The is	s the middle layer of the hair	that gives elasticity.
13.	The is	s the portion of the hair that p	orojects beyond
	the epidermis.		

# ESSENTIAL EXPERIENCE 6 Learn How to Perform a Thorough Hair and Scalp Analysis

elasticity, g	<b>IVITY 1</b> Hair and Scalp Analysis classmate's hair. Include in your evaluation to rowth pattern, and dryness versus oiliness. I	exture, density, porosity, Record your evaluation in
the space p	provided.	•
····		
	VITY 2 Factors of Hair Analysis	
Complete th	ne classifications in the chart below.	
Consent Comments was in that a co-	Description	Classifications
Texture	Thickness or diameter of an individual hair strand	
Density	Measures the number of individual	- 1 1772 m Laster 1922 + 11
Density		
Density	hair strands on one square inch (2.5 square centimeters)	
Porosity	hair strands on one square inch	
	hair strands on one square inch (2.5 square centimeters)	

## ESSENTIAL EXPERIENCE 5

# Recognize Disorders of the Hair and Scalp

**ACTIVITY 1** Technical Terms for Hair and Scalp Disorders For the following hair and scalp disorders, list the common name for the associated technical term.

Technical Term	Common Name
Canities	
Hypertrichosis	
Trichoptilosis	
Trichorrhexis nodosa	클럽하는 생활성 경기 생활성 전기 기업 사용량을 시작했습니다. 중요한 사용하다. 강경한 유기 (1200년) 설명 사 
Monilethrix	
Fragilitas crinium	선생님 회사 (1955년 전 1) 현실 등에 대한 시간
Pityriasis	
Tinea capitis	Province of the second of the
Parasitic infections	
Pediculosis capitis	하는 사용에 1000 National 사용을 기계하는 생각에 보실 시간을 받는 때문을 하는 것.
Furuncle	
<b>PACTIVITY 2</b> Physician Requestion dentify the four disorders that should be activity 1.	uired treated by a physician in the list from
2.	
3.	
4	

## ESSENTIAL EXPERIENCE 4



### **Types of Abnormal Hair Loss**

Normal hair loss is the natural result of the hair growth cycle. The average rate of normal hair loss is estimated to be close to 35 to 40 hairs per day. A total of 63 million people in the United States suffer from abnormal hair loss.

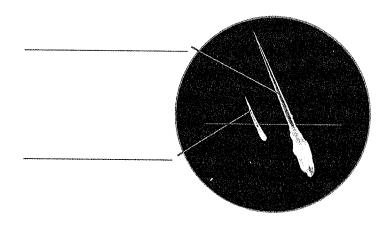
the three most common types of alopecia?	
areata has two different types. List them below and br	
lical and nonmedical options to counter hair loss. Identif t three options.	-
lical and nonmedical options to counter hair loss. Identif t three options.	
t three options.	
t three options.	
t three options.	
t three options.	
t three options.	
t three options.	

# ESSENTIAL EXPERIENCE (3) The Truth About

### The Truth About <u>Hair Growt</u>h



The two main types of hair found on the body are vellus hair and terminal hair. Label the image.



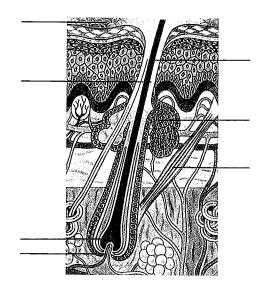
### **TACTIVITY 2** Growth Cycles of Hair

Hair growth occurs in cycles. Explain the three phases of the cycle. What significant process occurs during each phase?

Anagen phase:
Catagen phase:
Telogen phase:

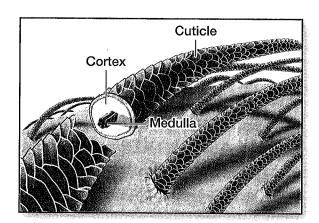
### **TACTIVITY 3** Labeling the Hair Root

Label the following structures of the hair root.



### **\*\*ACTIVITY 4** Structures of the Hair Shaft

Draw a cross-section of the hair shaft. Label the three main layers of the hair shaft in your cross-section. Then, write the three main layers below, and describe them.



1.			
2.		 	
3.			

Cosmetologists should study and have a thorough understanding of the properties of the hair and scalp because:

- > You need to know how and why hair grows and how and why it falls out in order to be able to differentiate between normal and abnormal hair loss.
- > Knowing what creates natural color and texture is a vital part of being able to offer a variety of chemical services to clients.
- ➤ Spotting an unhealthy scalp condition that could be harboring a communicable disease or even be causing permanent hair loss is a way to aid your client in caring for their scalp and hair's well-being.

### ESSENTIAL REFLECTIONS

What are the key concepts a professional cosmetologist must understand in order to properly analyze a client's hair and prescribe appropriate corrective treatments?

Trichology is the technical term for the study of hair. As you proceed through your study of trichology, you will gain important insights into how the hair is distributed over the body and the scalp. You will learn that hair is composed chiefly of the protein called keratin, and there are two principal parts of hair: the hair root and the hair shaft. In addition to understanding the structure of hair, you will learn how it grows. Most importantly, you will learn to use the senses of sight, touch, hearing, and smell to analyze the condition of a client's hair. There are several hair qualities that are elements in hair analysis, including texture, porosity, and elasticity. You will also determine that effective scalp manipulation on a regular basis will stimulate the muscles and nerves of the scalp as well as increase blood circulation in the scalp area.

Another important area of awareness is that of hair loss and how it affects more than 63 million people in the United States. This particular malady can range from the most common type of hair loss, androgenic alopecia, which is a result of progressive shrinking or miniaturization of certain scalp follicles, to postpartum alopecia, which is a temporary hair loss after pregnancy. The professional cosmetologist must also be able to identify various diseases and disorders of the hair and scalp because the cosmetologist is not allowed to treat certain conditions that must be referred to a medical professional for treatment.

Are you equipped to help your client when they are having a bad hair d								
,,,,,,								
		- <u> </u>						

# ESSENTIAL DISCOVERIES AND ACCOMPLISHMENTS

In the space provided, write notes about key points learned in the chapter. Share your Essential Discoveries with other students in your class and ask if the notes are helpful to them. You may want to update your discoveries based on good ideas shared by your peers.

ist at least three to	things you have accomplished since your last entry that relate	to
Accomplishn	ments:	
Accomplishn	nents:	
Accomplishn	ments:	
Accomplishn	nents:	
Accomplishn	ments:	
Accomplishn	ments:	
Accomplishn		

### ESSENTIAL REVIEW

### **PACTIVITY** Technical term Mnemonics

Learning the technical terms associated with nail diseases and disorders is extremely important to your success and well-being. It will allow you the opportunity to proceed with the appropriate nail services knowing that you and your client are not at risk.

Let's have a little fun! Mnemonics are aids that can be used to assist your memory. They can be words or phrase associations, songs, or any other method that will trigger in your memory key terms or information contained in a lesson. For example, if you were trying to remember the three primary areas of haircutting, blunt, graduated, and layered, you might make up a sentence using the first letter of each type of haircutting. In this case, the mnemonic might be Brenda Got Lost. Using this learning tool, try to develop a mnemonic for each of the following technical terms in the study of the nail. For example, Onychoptosis is the periodic shedding or falling off of the nail. Within the technical term is the word *chop*. You might relate the word *chop* to the chopping off or falling of the nail, and remember the meaning of onychoptosis. Give it a try with the other terms. Don't limit yourself to words. You can draw pictures or visualize circumstances that will cause you to remember the technical term.

1.	Beau's line
2.	Leukonychia spots
3.	Melanonychia
4.	Onychophag
5. ·	Onychorrhexis
-	

### **WACTIVITY 3** Word Search

After determining the correct word from the clues provided, locate the words in the word search.

Word	Clue
	Separation or falling off of a nail plate
	Deformity or disease of the nail
	Lifting of the nail plate
	Severe inflammation of the nail
	Inflammation of the nail matrix
	Ingrown nails
	Bacterial inflammation of surrounding tissue of the nail
	Tiny pits or severe roughness
	A fungal infection of the nail plate

G В Υ В Q Χ Χ Ν D В T W Z N M WΝ V ΚP M G Q Z G D S S 0 Н C Υ Ν 0 Χ 0 G D Α Ν K Υ K Ζ Ν D W Q W Υ R D 0 В H MС S Ζ D G Ζ M C Р Α Z Υ K K С M G C D S Ν Χ Χ В M R R E D 0 M S М D Υ D Р 0 X Ν Χ M Ζ G D Ζ Н G S В R 0 C В В G W S D M R K D 0 D T Μ R QWR X Q MΜ Ν M Α X Ν M S KOMDZMNVPKM Z O

# ESSENTIAL EXPERIENCE (2) Recognize Nail Diseases

### **ACTIVITY 1** Identify Nail Diseases

There are two parts to this exercise. First, can you recognize the following nail diseases? Match the disease to the appropriate picture.

Second, it is also important to know if the nail disease is infectious and cannot be serviced, or if is noninfectious and can receive a partial or specialized service. Place a large X over the infectious diseases in this activity.

Onychocryptosis



Onycholysis



Nail psoriasis



Tinea pedis



Onychomycosis



Pseudomonas aeruginosa



Nail Disorder	Description	Cause	Salon Service Y-Yes / N-No
Melanonychia			
Onychophagy			
Onychorrhexis			
Plicatured nail			
Ridges			
Splinter hemorrhage			

### ESSENTIAL REFLECTIONS

What do I need to know about nail disorders and diseases in order to provide quality manicuring and pedicuring services?

You will need to be able to discern between a disorder and an infectious disease. When you have gained that knowledge, you can proceed confidently with appropriate nail services knowing that you and your client are not at risk.

Circle True or False for the following statements:

T	F	1. I am qualified as a cosmetologist/nail technician to advise
		a client as to what diseases or disorders they have?

- T F 2. Some nail conditions can be treated in the salon.
- T F 3. I can perform services on nails or skin that are inflamed.
- T F 4. Dark nail polish can be used to cover an infected nail.
- T F5. If the client has a nail disease, I can continue to work on their nails.
- T F 6. Stop working on a client if they have a nail disorder.
- T F 7. The toenails and the feet can also have diseases or disorders.
- T F 8. A client with athlete's foot can be treated.
- F 9. You may be in a position to recognize conditions that may signal mild to serious health problems that warrant the attention of a doctor.
- F 10. As a cosmetologist, you should take the appropriate steps to protect yourself and your clients from the spread of disease.

# ESSENTIAL DISCOVERIES AND ACCOMPLISHMENTS

In the space provided, write notes about key points learned in the chapter. Share your Essential Discoveries with the other students in your class and ask if the notes are helpful to them. You may want to update your discoveries based on good ideas shared by your peers.

Discoverie	s:				
ist at least thre our career goal	e things you ha ls.	ve accomplis	shed since yo	ur last entry	that relate to
Accomplish	nments:				

### ESSENTIAL REVIEW

### **\*\*ACTIVITY 1** Matching

Match the following esser	itial :	terms with their identifying phrases or definition.
Cuticle	1.	Slits or furrows at either side of the nail upon which the nail moves as it grows
Eponychium	2.	The dead colorless tissue attached to the nail plate
Hyponychium	3.	The slightly thickened layer of skin that lies underneath the free edge of the nail plate
Matrix	4.	Normal skin that surrounds the nail plate
Nail grooves	5.	The portion of the living skin on which the nail plate sits
Nail bed	6.	The living skin at the base of the nail plate covering the matrix area
Nail folds	7.	Where the nail plate cells are formed
Lunula	8.	The most visible and functional part of the nail
Ligament	9.	The part of the nail plate that extends over the tip of the finger
Free edge	10.	A tough band of fibrous tissue that connects bones or holds an organ in place
Nail plate	11.	The lighter color shows the true color of the matrix
Nail malformation	12.	A thin layer of tissue that attaches the nail plate and the nail bed
Bed epithelium	13.	When the nail is abnormal in shape or form

### **TACTIVITY 2** Cross-Section of the Nail

Individually or with a partner, label the parts of the nail on the front view and cross-section diagrams using the terms listed below. Note: Some essential terms may be used more than once and some not at all.

Nail bed

Eponychium

Perionychium

Free edge

Hyponychium

Bone

Matrix

Ligament

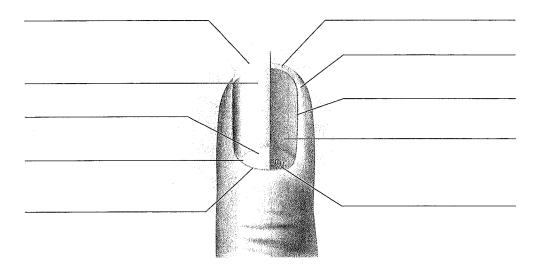
True cuticle

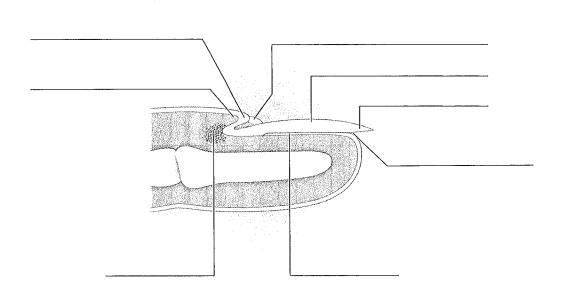
Lunula

Proximal nail fold

Nail plate

Nail groove





# ESSENTIAL EXPERIENCE (1) Distinguish the Structure of the Natural Nail

	ACTIVITY The Healthy Nail
0	List the characteristics of normal, healthy nails.
	o
	0
	o
	0
	0
0	Examine your nails. Do you have healthy nails? If not, how can you improve the appearance of your nails?



#### ESSENTIAL OBJECTIVES

After studying this chapter and completing the Essential Companion components, you will be able to:

- oxdot Describe the characteristics of normal, healthy nails.
- Describe the nine basic parts of the nail unit.
- LO@ Discuss how nails grow.

# why study NAIL STRUCTURE AND GROWTH?

The fact is that the structure and growth of the nail is certainly not the most glamorous portion of your training in cosmetology, but it could be one of the most essential. To give clients professional and responsible service, you must learn about the structure and function of the nail. You must know when it is safe to work on a client and when they must be referred to a doctor. You should learn about the structure and growth of the nail as it is extremely relevant to your future success and well-being as a professional cosmetologist.

Cosmetologists should study and have a thorough understanding of nail structure and growth because:

- > Understanding the structure and growth of natural nails allows you to expertly groom, strengthen, and beautify nails.
- ➤ It is important to know the difference between the nail cuticle and the eponychium before performing nail services.
- > Understanding the structure and growth cycles of the natural nail will prepare you for more advanced nail services.

10	)	is a skin disease char silver-white scales.	act	erized by red patches, covered with
		a) Eczema	h.	Decile
		c) Dermatitis	•	Psoriasis
44			•	Herpes simplex
11		An acquired, superficial, thickened pa known as callus, created by pressure		
		s a	0, ,	motion on the hands and lest,
		a) mole	b)	freckle
		e) keratoma		verruca
12	. !	Senign, keratin-filled cysts that can ap called	pe	ar just under the epidermis are
	г	ı) milia	b)	blackheads
	С	e) pimples	d)	ulcers
13	6	An acute inflammatory disorder of the eruption of small red vesicles and accomown as a	sw om	eat glands, characterized by the panied by burning, itching skin is
	а	) closed comedone	b)	miliaria rubra
	С	) contact dermatitis	d)	excessive anhidrosis
14	. /	A term used to indicate an inflammator	у со	ondition of the skin is
	a	) eczema	b)	psoriasis
	С	) dermatitis	d)	rosacea
15.	. /	An abnormal growth of the skin is calle	ed _	<del>.</del>
	a	) hypertrophy	b)	hypertrichosis
	C	) keratoma	d)	callus
16.	F	oul-smelling perspiration is called		
	a)	) anhidrosis	b)	chloasma
	C)	) bromhidrosis	,	hypertrichosis
17.	Ε	Deficiency in perspiration is called		
		anhidrosis		chloasma
	C)	bromhidrosis	•	hypertrichosis
18.	Δ	small brown or flesh-colored outgrow	-	* *
		mole		macule
	c)	stain	•	skin tag
19.		n abnormal brown or wine-colored sk regular shape is called a	dn d	discoloration with a circular and
	a)	mole	b)	macule
	c)	stain	d)	skin tag
20.	Α	small brownish spot or blemish on th	ne s	kin, such as a freckle, is called a
	a)	mole	b)	macule
	c)		•	skin tag

G H 0 T V W S P U U N Y M Α T Y W P T R D V D M V U E E R Y W H U T J N J В R R M E J T N W C T X E R N D A O R E E Q U 0 R R K A K R Y 0 C В D U T S P J Q A  $\vdash$ S M D Z E K M Y В X M P G Q D Q

# ESSENTIAL EXPERIENCE (10) Recognize Contact Dermatitis

	What is contract dermatitis?
•	Describe good preventive measures or treatments for contact dermatitis in
	the space provided.  o
	о
	о

# ESSENTIAL EXPERIENCE (8)

# Analyze Aging Skin Issues

	e the Two Types of Factors That uence Aging of the Skin?
•	
Give a few examples of intrinsic preventive measures that are prov	and <b>extrinsic</b> skin-aging factors based on the
Intrinsic Factors	Preventive Measure
	Limit sun exposure
	Apply all cosmetic products in an upward motion with a soft touch.
	Avoid continuous facial expressions.
Extrinsic Factors	Preventive Measure
	Avoid overexposure and find a daily use moisturizer with built-in sunscreen.
	Avoid smoking.
	Avoid excessive drinking.
	Find ways to limit stress in your daily routine.
	Eat a well-balanced diet.
	Follow a good daily skin care routine.

### ESSENTIAL EXPERIENCE 6

## Understand Skin Cancer

## **ACTIVITY 1** Describe the Three Forms of Skin Cancer Below

Skin Cancer	Description
Basal Cell Carcinoma	
Squamous Cell Carcinoma	
Malignant Melanoma	

### **TACTIVITY 2** Cancer Checklist

What does each letter stand for, and how would you check existing moles on a client?

Meaning	Client Check
В	
<b>c</b>	
D E	

## ESSENTIAL EXPERIENCE 4



### **TACTIVITY** Create a Collage

Create a collage of at least five pigmentation disorders from the list below. Use the collage to identify the disorders. Compare your collage with the other collages created by your classmates. What were the top two disorders common throughout the collages?

Albinism	Hyperpigmentation	Stain	
Chloasma	Lentigines	Tan	
Dyschromias	Leukoderma	Vitiligo	
Hypopigmentation	Nevus		

Across		
Word	Clu	9
	4.	Blackhead
	6.	An acute inflammatory disorder of the sweat glands, characterized by the eruption of small, red vesicles accompanied by burning, itching skin
	8.	Skin condition caused by an inflammation of the sebaceous glands
	12.	Excessive sweating; caused by heat or general body weakness
Down		
Word	Clu	9
	1.	Whitehead
	2.	Benign, keratin filled cyst that appear just under the epidermis and have no visible opening
	3.	Distended or dilated surface blood vessels
	5.	Chronic condition that appears primarily on the cheeks and nose
	7.	Foul-smelling perspiration, usually noticeable in the armpits or on the feet, that is generally caused by bacteria
	9.	Skin disorder characterized by chronic inflammation of the sebaceous glands
	10.	Large, protruding pocket-like lesion filled with sebum
	11.	Deficiency in perspiration or the inability to sweat, often a result of damage to autonomic nerves

## ESSENTIAL EXPERIENCE (2)

# Identify Disorders of the Sebaceous (Oil) Glands

•	ACTIVITY 1	Name and Describe Seven Disorders of the Sebaceous Glands
1.		
		·
•		
2.		
3.		
4.		
5.		
6.		
7.		
•		

# ESSENTIAL EXPERIENCE (1) Identify Disorders and Diseases of the Skin

### **\*\*DACTIVITY 1** Lesions

Complete the chart below listing primary or secondary lesions, their characteristics, and whether a salon service can be performed on the client.

Lesions	Primary or Secondary P or S	Characteristics	Perform a Salon Service Yes-Y, No-N, Caution-C *Caution depends on the state of the lesion
Bulla			
Cyst/ Tubercle			
Crust			
Excoriation			
Fissure			
Keloid			
Macule			
Nodule			

### ESSENTIAL OBJECTIVES

After studying this chapter and completing the Essential Companion components, you will be able to:

	Identify and describe common skin lesions, differentiating between primary and secondary lesions.
LO@	List and describe common disorders of the sebaceous glands.
	List and describe common changes in skin pigmentation.
LO <b>0</b>	Identify the forms of skin cancer including symptoms and mortality rates.
	Identify and describe the major causes of acne and current treatments.
	List the factors that contribute to the aging of the skin.
	Explain the effects of exposure to the sun on the skin.

Describe contact dermatitis and prevention measures for

# why study SKIN DISORDERS AND DISEASES?

cosmetologists.

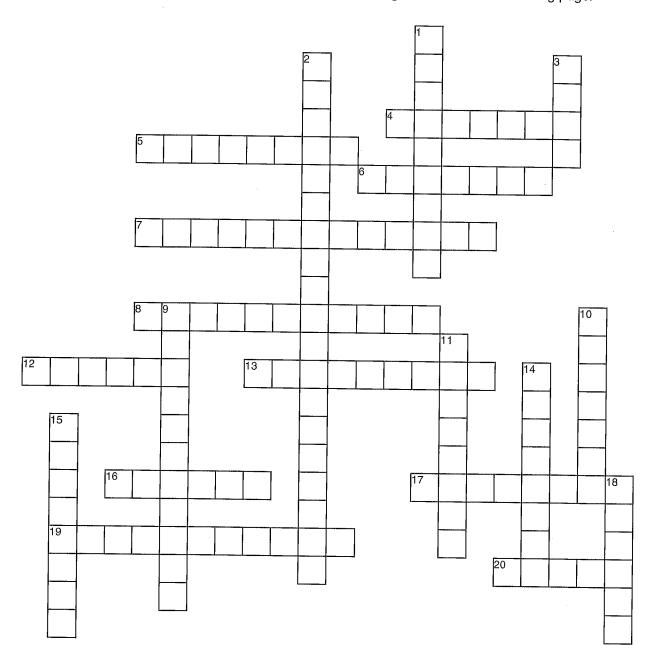
As a practitioner in the field of cosmetology, one of your primary responsibilities will be to help clients acquire and maintain healthy, attractive skin but not to actually diagnose skin disorders or diseases. However, becoming aware of basic clinical symptoms of various skin disorders and diseases will allow you to better serve your clients. If a condition is not serious, as a professional, you will be trained to make appropriate recommendations for controlling the condition. It is critical for you to be able to recognize those conditions that require a physician's care or might be infectious and spread disease from one person to another. So, yes, while you are not studying to become a dermatologist, you need a thorough knowledge of the skin and its diseases and disorders to help you protect both your client and yourself from harm.

3.	Also known as acne vulgaris; skin disorder characterized by chronic inflammation of the sebaceous glands from retained secretions and Propioni bacterium acnes bacteria
9.	They excrete perspiration and detoxify the body by excreting excess salt and unwanted chemicals
10.	Fibrous protein of cells that is also the principal component of hair and nails
11.	An important substance needed for proper repair of the skin and tissues; promotes the production of collagen in the skin's dermal tissues; aids in and promotes the skin's healing process
14.	Helps protect the skin from the harmful effects of the sun's UV light.
15.	Supports the overall health of the skin; aids in the health, function, and repair of skin cells; has been shown to improve the skin's elasticity and thickness
18.	Also known as derma, corium, cutis, or true skin, underlying or inner layer of the skin

### ESSENTIAL REVIEW

### **\*\*ACTIVITY 1** Crossword Puzzle

Complete the crossword puzzle using the clues on the following page.



## ESSENTIAL EXPERIENCE (2)

## Promote Nutrition and Skin Health

### **\*\*\*OACTIVITY 1** Essential Nutrients

There are six classes of nutrients that the body needs to keep healthy. List each nutrient and its essential purpose.

Nutrients	Purpose
<b>1.</b> (1.1)	
<b>3</b> .	
<ul><li>5.</li><li>6.</li></ul>	
Which foods provide	the recommended daily allowance of each nutrient?
Identify the food grounds	ups and their dietary guidelines.



SELF-REFLECTION

Do you have a basic understanding of how to maintain healthy skin by making the right nutritional choices? Unhealthy diet or improper hydration can lead to skin disorders, fatigue, or stress.

### **TACTIVITY 9** Skin Aging Collage

Create a collage showing how the factors listed can impact the skin's appearance. Include in your collage beauty products or technology that can help with the aging process.

_	nerve fibers. Can you define them?
1. Motor nerve fibers:	
2. Sensory nerve fibers:	
3. Secretory nerve libers: _	
ACTIVITY 5 Sense	e of Touch
	s to develop in the human body. Is the skin equally
ACTIVITY & Group	Evoroigo
	Using a toothpick, do a touch test on each group member to determine the skin's sensitivity. Take a toothpick and poke various areas of the body (tip of finger, palm of hand, upper arm, back, or cheek). Perform the experiment in two ways: When the subject knows they will be touched and when the subject is not warned (blindfold the subject). Chart your findings. List the area that was most sensitive, and if the g about the touch made an impact.
11-11-11-11-11-11-11-11-11-11-11-11-11-	

**TACTIVITY 4** Nerves of the Skin

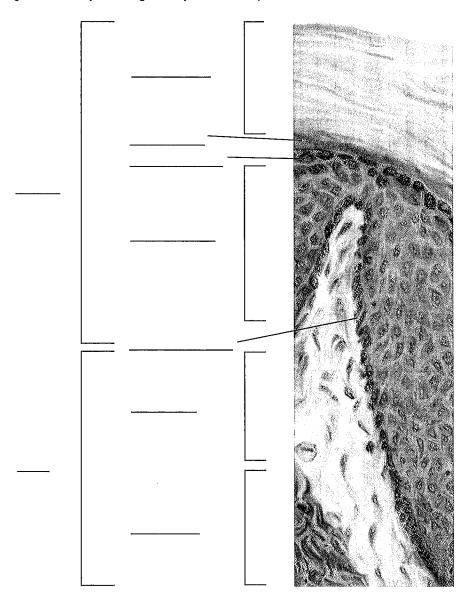
## ESSENTIAL EXPERIENCE (1)



## Know the Anatomy of the Skin

ACTIVITY 1	What Are the Two Main Divisions of the Skin?
1.	
2	

**ACTIVITY 2** Analysis of the Epidermis and Dermis Let's get started by labeling the layers of the epidermis and dermis.



#### ESSENTIAL OBJECTIVES

After studying this chapter and completing the Essential Companion components, you will be able to:

Describe the structure and composition of the skin.
 List the six functions of the skin.
 Name the classes of nutrients essential for good health.
 Identify the food groups and dietary guidelines recommended by the U.S. Department of Agriculture (USDA).
 List and describe the vitamins that can help the skin.

## why study SKIN STRUCTURE, GROWTH, AND NUTRITION?

You actually do not need the level of knowledge that a scientist would have on this subject matter. However, a thorough knowledge of the underlying structures of the skin, nails, and hair will benefit you in your role as a professional cosmetologist.

Cosmetologists should study and have a thorough understanding of skin structure, growth, and nutrition because:

- > Knowing the skin's underlying structure and basic needs is crucial in order to provide excellent skin care for clients.
- > You will need to recognize adverse conditions, including skin diseases, inflamed skin, and infectious skin disorders so that you can refer clients to medical professionals for treatment when necessary.
- ➤ Twenty-first century skin care has entered the realm of high technology, so you must learn about and understand the latest developments in ingredients and state-of-the-art delivery systems in order to help protect, nourish, and preserve the health and beauty of your clients' skin.

40	. Ine	. assists the swinging	movements of the arm.
	a) pectoralis major	b)	serratus anterior
	c) platysma	d)	supinator
41		. nerve supplies the th	numb side of the arm and back of
	hand.		
	a) ulnar	b)	radial
	c) media	d)	digital
42	The moving within the ci	is a muscular cone-s culatory system.	haped organ that keeps the blood
	a) lung	b)	heart
	c) liver	d)	stomach
43.	. Tiny, thin-walled blod are the		ct the smaller arteries to the venules
	a) arteries	b)	veins
	c) capillaries	d)	blood
44.	Theprotected on both si		thin the chest cavity, which is
	a) endocrine	b)	respiratory
	c) excretory	d)	digestive
45.	the body and back a		rculation from the heart throughout
	a) Systemic	- b)	Plasma
	c) Pulmonary	ŕ	Platelet
46	aro :	thin walled blood yes	sels that are less elastic than
70.	arteries.	mir-walled blood ves	sels that are less elastic than
	a) Nerves	b)	Capillaries
	c) Venules		Veins
47.	Gland-like structures	that help fight infecti	on are known as
	a) lymph nodes	b)	corpuscles
	c) leukocytes	d)	plasma
48.	The artery that suppli	es the crown and sid	e of the head is the
	a) parietal	b)	transverse
	c) temporal	d)	frontal
49.	The system that purif		nating waste material is the
	a) endocrine	b)	respiratory
	c) excretory	۸۱	digestive

20.	forearm is the		ck of the upper arm and extends the
	a) tibialis	b)	zygomaticus
	c) abductors	d)	tricep
21.	The elastic, bony cage the lungs, and other internal	•	otective framework for the heart,
	a) sternum	b)	clavicle
	c) scapula	d)	thorax
22.	The watery fluid of the co		ry for growth, reproduction, and
	a) cytoplasm	b)	centrosome
	c) nucleolus	d)	cell membrane
23.	Thesyst	tem's function is t	o produce all movements of the
	a) circulatory	b)	skeletal
	c) muscular	d)	nervous
24.	The physical foundation	of the body is the	system.
	a) circulatory	b)	skeletal
	c) muscular	d)	nervous
25.	The mus	scle elevates the l	ower lip and raises and wrinkles the
	a) mentalis	b)	flexor digitiminimi
	c) flexor digitorum brevis	d)	risorius
26.	The bor	e forms the lower	back part of the cranium.
	a) parietal	b)	temporal
	c) frontal	d)	occipital
27.	The part of the muscle th	nat moves is the $\_$	
	a) origin	b)	belly
	c) insertion	d)	middle
28.	The sys organs.	tem is made up o	f the skin and its various accessory
	a) endocrine	b)	excretory
	c) integumentary	•	reproductive
29.	The muscle that complet	ely surrounds the	margin of the eye socket is the
	a) corrugator	b)	orbicularis oculi
	c) procerus	d)	orbicularisoris

### ESSENTIAL REVIEW

Complete the following review of Chapter 6, General Anatomy & Physiology, by circling the correct answer to each statement.

1.	Th	e uppermost and largest bon	e of the arr	n is the
	a)	humerus	b)	radius
	c)	ulna	d)	metacarpus
2.		e structure found in the cente Il reproduction, is the		ll, which plays an important part ir
	a)	nucleus	b)	centrosome
	c)	cell membrane	d)	nucleolus
3.	Th	e technical term for fat is		
	a)	connective	b)	epithelial
	c)	adipose	d)	nerve
4.		grow and thrive, the cell must	st receive a	n adequate supply of food, oxyge
	a)	toxins	b)	poisons
	c)	pressure	d)	water
5.	A	group of similar cells are		
	a)	organs	b)	tissues
	c)	systems	d)	groups
6.		e artery that supplies blood t the head up to the crown is		and muscles of the scalp and bacl
	a)	supraorbital	b)	occipital
	c)	facial artery	d)	posterior auricular
7.		e body system that protects munities and destroying path	-	
	a)	immune	b)	skeletal
	c)	endocrine	d)	integumentary
8.	Th	e small bone on the thumb s	ide of the f	orearm is the
	a)	humerus	b)	radius
	c)	ulna	d)	metacarpus
9.	Th	e is also kno	own as the	shoulder blade.
	a)	scapula	b)	sternum
	c)	clavicle	d)	thorax

# ESSENTIAL EXPERIENCE **©**Review the Circulatory System

#### **MACTIVITY** Word Search

After determining the correct word from the clues provided, locate the words in the word search puzzle.

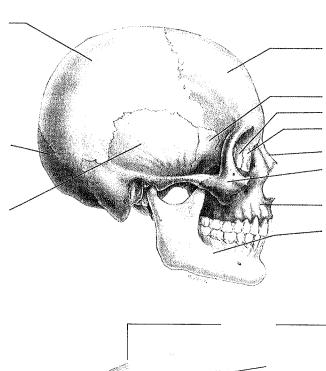
Word	Clue
	Thick-walled muscular and flexible tubes that carry oxygenated blood away from the heart to the arterioles
	Right or left upper thin-walled chambers of the heart
	The nutritive fluid circulating through the circulatory system
	Tiny, thin-walled blood vessels that connect smaller arteries to venules
	The main source of blood supply to the head, face, and neck

C 0 S D C М E D G X S D Ζ E Z G М E Χ S P Ε 0 F S Q R М Н S C В S G Z Ε S 0 G В Η 0 G QM В S S D D U M C NL H D

## ESSENTIAL EXPERIENCE (4) Review the Skeletal System

#### **ACTIVITY** Bones and Muscles of the Cranium

Using a shaved mannequin or a Styrofoam head block, draw a line from the center front hairline to the center nape. On side one, draw in and label the bones of the head. On side two, draw in and label the muscles of the head. (Refer to your text for assistance.) In the absence of a mannequin or head block, complete the diagrams below.



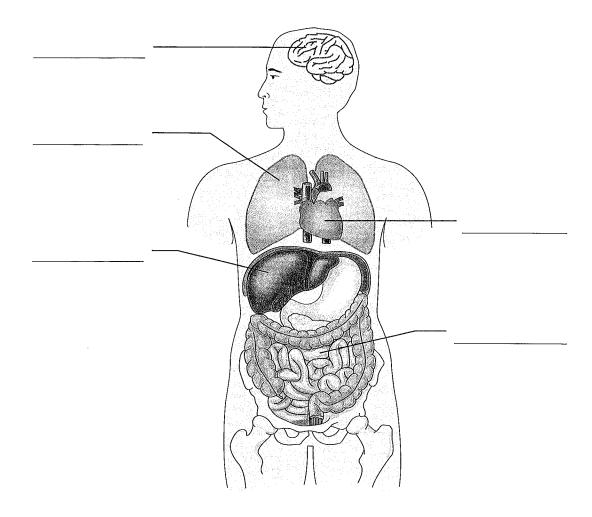


## ESSENTIAL EXPERIENCE (3)

## Name the Organs and Body Systems

#### **TACTIVITY 1** Label the Organs

Label each of the organs indicated in the diagram of a human body. State the purpose of each part of the body in the space provided. You may need to do research and refer to your school's reference library or credible online sources for assistance.



## ESSENTIAL EXPERIENCE (1) Describe Cells

#### **MACTIVITY** Mind Map

Mind mapping creates a free-flowing outline of material or information. The central or key point is located in the center. The key point of this mind map is a process of development from a basic cell to various types of tissue to forming organs to developing systems. Using color will increase the mind's retention of the material. Keep your mind open and uncluttered, and worry about where a line or word should go as the organization of the map will generally take care of itself.



#### ESSENTIAL OBJECTIVES

After studying this chapter and completing the Essential Companion components, you will be able to:

- Define and explain the importance of anatomy and physiology to the cosmetology profession.
- LO2 Describe cells, their structure, and their reproduction.
- Define tissue and identify the four types of tissues found in the body.
- Name the 11 main body systems and explain their basic functions.

## why study ANATOMY AND PHYSIOLOGY?

## Why do I need to know about cells and the anatomy and physiology of the body when I just want to do hair?

As you do hair and perform all the other services you are qualified and trained to perform, almost without exception, you will be affecting the bones, muscles, and nerves of the body. Therefore, it is essential that you understand the basic anatomy and physiology of the body to perform all those services safely and effectively. If you think about it, you will realize that when you cut hair, you must understand the contours of the head and its bone structure. When you apply makeup, you must perform contouring based on the bone and muscle structure of the face. When giving a scalp treatment, you need to know about the circulatory system in order to achieve maximum stimulation of the scalp, and so forth.

Your knowledge in anatomy and physiology will gain your clients' trust and confidence in your credibility.

### HANDLING AN EXPOSURE INCIDENT

Performance Assessed	4	2	3	4	Improvement Plan
Stopped the service and informed client of what happened					
Asked a salon employee to assist with the exposure incident if cut was severe					
If receiving assistance, salon employee placed gloves on					
Washed the injury with soap and water					
Applied slight pressure to the wound with cotton to stop the bleeding					
Cleansed the area with an antiseptic					
Applied an adhesive bandage to cover the wound					
Placed on gloves, returned to station, and removed any implements that may have been contaminated, placing them in a container for "dirty" items					
If surfaces were contaminated, I sprayed or wiped with approved disinfectant and allowed to sit for the contact time listed on the product label.					
Discarded all single-use, contaminated objects in a plastic bag. Placed the plastic bag in a closed trash container with a liner bag					
Deposited sharp disposables in a sharps box					
Disposed of trash items and sharps containers as required by state/local law					
Placed on a new pair of gloves before returning to service; used new implements to replace those that were contaminated					
After the service was completed, thoroughly cleaned and disinfected all tools and implements used during the service					

Performance Assessed	1	2	3	4	Improvement Plan
Refilled the basin with clean water and flushed the system					
Recorded the disinfectant information into the salon's logbook					

## CLEANING AND DISINFECTING BASIC FOOT BASINS OR TUBS

Performance Assessed	1	2	3	4	Improvement Plan
Put on safety glasses and gloves					
Drained all water from the foot basin or tub					
Scrubbed all inside surfaces of the foot basin or tub with a clean, disinfected brush, liquid soap, and clean water					
Rinsed the basin or tub with clean water and drain					
Refilled the basin with clean water					
Measured the correct amount of the EPA- registered hospital disinfectant and added it to the water in the basin					
Set the timer, and left this disinfectant solution in the basin for 10 minutes or the time recommended by the manufacturer					
Drained the foot basin or tub					
Rinsed the basin or tub with clean water, and wiped dry with a clean paper towel					

Performance Assessed	1	2	3	4	Improvement Plan
Drained all water from the unit and rinsed the unit with clean water					
Wiped unit dry with a clean paper towel					
Recorded the disinfectant information into the salon's logbook					

## END OF EVERY DAY: CLEANING AND DISINFECTING WHIRLPOOL, AIR-JET, AND PIPELESS FOOT SPAS

Performance Assessed	1	2	3	4	Improvement Plan
Put on safety glasses and gloves					
If the equipment includes removable parts, removed the screen, and any other removable parts.		10.000			
Cleaned the screen and other removable parts and the areas behind them with a clean, disinfected brush, liquid soap, and water to remove all visible residue					
Replaced the properly cleaned screen and other removable parts					
Filled the basin with warm water and chelating detergent, if required for the type of the foot spa by your state or the manufacturer		The state of the s			
Circulated the chelating detergent through the system for 5 to 10 minutes					
Drained the soapy solution and rinsed the basin with clean water					

## CLEANING AND DISINFECTING NONELECTRICAL TOOLS AND IMPLEMENTS

Performance Assessed	1	2	3	4	Improvement Plan
Put on safety glasses and gloves					
Rinsed all implements with warm running water					
Scrubbed implements thoroughly with soap or detergent, a properly disinfected nail brush, and warm water					
Rinsed implements with warm running water					
Dried implements thoroughly with a clean or disposable towel or allowed them to air dry on a clean towel					
Replaced disinfection solution if needed, before completely immersing cleaned implements in an disinfection container holding an EPA-registered disinfectant for the required time				: · · · · · · · · · · · · · · · · · · ·	
Opened hinged implements before immersing them in the disinfectant					
Removed tools and implements from the disinfection solution with tongs or gloved hands			Ÿ		
Rinsed the tools and implements in warm running water and patted them dry					
Stored disinfected tools and implements in a clean, covered container					
Removed gloves and thoroughly washed hands with warm running water and liquid soap					
Rinsed and dried hands					

Ο.	through taking over the host cell's rep		isms capable of replication only active function.
9.	The body develops through inoculation.	_ af	ter it has overcome a disease or
10.	A person can be infected with symptoms.		for many years without having
11.	organisms are harmfu	ıl an	d produce disease.
12.	A infection affects the	bo	dy as a whole.
13.	When bacteria grow and reach their la new cells. The division is calledare called		
14.	Immunity against disease can be		or acquired.
15.	When a disease becomesto another.	•	, it spreads from one person
16.	are spherical bacteria such as pneumonia.	tha	t grow in pairs and cause diseases
17.	The short, rod-shaped bacteria that pr		
	are spiral or corkscressubgroups such as syphilis and Lyme	dise	ease.
	the remainder of the review, circle the		-
19.	The presence of visible debris such as surface is known as		t, hair, or microbes on an item's
	a) sterilization	b)	contamination
	c) sterile	d)	disinfection
20.	The two steps of infection control are		then disinfecting.
	a) washing	b)	dusting
	c) sweeping	d)	cleaning
21.	The methods of sterilization that incorpis a(n)	oora	ites the use of heat and pressure
	a) autoclave	b)	gaseous formaldehyde
	c) liquid antiseptic	d)	dry sanitation
22.	Chemical products that destroy most by viruses on surfaces are		teria (excluding spores), fungi, and
	a) antiseptics	b)	tablets
	c) disinfectants	d)	liquids
23.	Disinfectants must be registered with t	the .	·
	a) DOE	b)	EPA
	c) CDC	-11	DOL

## ESSENTIAL REVIEW

### **\*\* ACTIVITY 1** Jeopardy

As in the game Jeopardy, write questions that would be correctly answered.

Infection	Control	for	\$100.
-----------	---------	-----	--------

1.	Four types of microorganisms.
2.	These exist almost anywhere, including on skin, in water, in the air, in decayed matter, in body secretions, on clothing, and under the free edge of nails.
3.	Disease producing when they invade the body.
Inf	ection Control for \$200.
1.	The life cycle of bacteria.
2.	The stage in which microorganisms grow and reproduce.
3.	Cells that are formed through binary fission.
Info	ection Control for \$300.
1.	Occurs when body tissues are invaded by disease-causing or pathogenic bacteria.
2.	Among the most common bacteria that affect humans.
3.	They are responsible for contagious diseases and conditions, such as head lice.
nfe	ection Control for \$400
1.	The ability of the body to destroy bacteria that have gained entrance, and thus resist infection.
2.	Something the body develops after it has overcome a disease, or through inoculation.
3.	A disease that is transmittable by contact.

## ENTIAL EXPERIENCE (3)



## **List Your Professional** Responsibilities

#### **<b>PACTIVITY 1** Safety and Health Inspection Report Complete for your institution the following partial Safety and Health Inspection Report, which is adapted from Safety and Health in the Salon by Dennis G. Nelson, published by Milady, a part of Cengage Learning. Write a brief explanation if an area is out of compliance. Inspected by: Date: All Areas—Housekeeping and Cleaning There is evidence the facility has been used for cooking or living quarters. \_ Yes \_\_\_ No All areas are orderly, dusted, clean, well lit, and rodent free. \_\_\_ Yes \_\_\_ No Floors are swept clean and hair is swept up after each client service. \_\_Yes No Windows, screens, and curtains are cleaned regularly. \_ Yes \_\_ No Waste materials are deposited in a metal waste receptacle with a self-closing lid. \_\_\_ Yes \_\_\_ No · Waste receptacles are emptied regularly throughout the day. \_\_\_ Yes \_\_\_ No All sinks and drinking fountains are cleaned regularly. \_\_\_ Yes \_\_\_ No Separate or disposable drinking cups are provided for clients, employees, and students. \_\_ Yes \_\_ No Hot and cold water faucets are clean and leak free. \_\_\_ Yes \_\_\_ No · Toilets and washing facilities are clean and regularly disinfected. \_\_\_ Yes \_\_ No Toilet tissue, paper towels, and pump-like antiseptic liquid soap are provided. \_\_\_ Yes No \_\_\_ Yes \_\_\_ No Door handles are cleaned and disinfected regularly. Food is stored separately from clinic products. \_\_\_ Yes \_\_\_ No Eating and drinking are done on clean surfaces separate from chemical handling or where services are being performed. Yes No Work area is appropriately ventilated for services

\_\_\_ Yes \_\_\_ No

provided; fans, humidifiers, and exhaust and ventilation systems are cleaned regularly.

## **\*\*\* ACTIVITY 2** Word Scramble

Using the clues provided, unscramble the terms below.

Scramble	Correct Word
aasseptir	——————————————————————————————————————
fsuoniceti	— — — — — — — — —
	Clue: Contagious.
aiarcetb	
	Clue: One-celled microorganisms.
alcicyoocshpt	Clue: Grow in bunches or clusters.
asseibc	
	Clue: Caused by the itch mite.
cpnaiegoht	Oliver Disease and desire
mroog	Clue: Disease producing.
mrseg	Clue: Microorganisms that cause disease.
napnocnghieot	
	Clue: Helpful or harmless.
calolfctnoiine	
ssriminagoorcm	
J	Clue: Bacteria are one example of this.
ucosaignto	
iaaudaalaaiintaaia	Clue: Spreads by contact, especially dirty hands
iceudsslpoiiptcsia	Clue: Lice.
ieaitnpsct	
	Clue: Chemical germicides for skin.
dcgnflaiiu	— — — — — — — — — — — — — — — — — — —
aaiiommnnftl	— — — — — — — — — — —
	Clue: Body's response to injury or infection.
ttiisphea	
	Clue: Blood-borne virus.
oosurp	Clue: Absorbent.
belrtcalduucoi	
	Clue: Type of disinfectant.

## ESSENTIAL EXPERIENCE (1)

## Meet the Current Regulations for Health and Safety

<b>**ACTIVITY 1</b> Establishment Inspection		
Imagine that you own a professional establishment. You are committed to maintaining the highest levels of infection control and client protection possible.		
Take a tour through your establishment and list the areas in the salon that are most susceptible to pathogenic bacteria.		
Next, list proper infection control practices for those areas in the salon and the types of disinfectants needed for each area listed.		

#### ESSENTIAL OBJECTIVES

After studying this chapter and completing the Essential Companion components, you will be able to:

List the 16 categories of information Explain the differences between required on Safety Data Sheets. cleaning, disinfecting, and sterilizing. Understand laws and rules and the List the types of disinfectants and the differences between them. steps to using them properly. LOG List the types and classifications Define Standard Precautions. of bacteria. List your responsibilities as a salon Define blood-borne pathogens and professional. explain how they are transmitted.

#### why study

## INFECTION CONTROL: PRINCIPLES AND PRACTICES?

If you work in cosmetology or a related career field, you will come in contact with the public on a regular basis in a variety of ways. Understanding bacteriology, methods of decontamination, and your professional responsibilities will make a big difference in how you protect yourself and your clients from the spread of infection or disease. There has never been a time in our history when the public has been more aware of how easily disease can be spread. Your clients' perceptions of you will be greatly improved if you convey both knowledge and concern about bacteria and the spread of disease.

## Cosmetologists should study and have a thorough understanding of infection control principles and practices because:

- > To be a knowledgeable, successful, and responsible professional in the field of cosmetology, you are required to understand the types of illness causing pathogens you may encounter in the salon.
- Understanding the basics of cleaning and disinfecting and following federal and state rules will safeguard you and your clients
- Understanding the cleaning and disinfecting products that you use and how to use them will help keep you, your clients, and your salon

- environment protected from potential pathogens and their modes of transmission.
- ➤ Understanding and practicing proper infection control within federal, state, and local laws rules will safeguard your business from costly citations for safety violations.
- ➤ Respecting the chemicals used in cleaning and disinfecting by reading labels and following manufacturer's instructions is necessary to reduce the risks involved with using any chemical.

- T F 10. Record any formulations or products used, including the strength and any specific techniques followed, on the Rolodex.
- **T F 11.** When meeting a client for the first time, always introduce yourself.
- T F 12. The first step in the client consultation process is to ask the client what he/she likes least and most about his/her current look.
- **F** 13. Encouraging a client to flip through photo collections and point out finished looks that he/she likes and why is called the showand-tell step of the consultation.
- **T F 14.** If a client arrives late, you should establish a precedent by refusing to complete the service under any circumstances.
- **T F 15.** If a client shows up at an incorrect time or day and you have other appointments, politely explain his/her mistake and offer to reschedule.
- T F 16. Never argue with a client or try to force your opinion on him/her.
- T F 17. Your job and your relationship with your clients are very specific: The goal is to advise and service clients with their beauty needs, and nothing more.

# ESSENTIAL EXPERIENCE 4 Guidelines for In-Salon Communication

discussing with clients. Then write a brief explanation of why these topics are inappropriate, and list alternative topics you may suggest if the client brings up		
any inappropriate topics.		
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### **\*\*ACTIVITY 4** Partner Messaging

Choose another student as your partner and conduct this communication exercise: Spend five minutes talking to each other about any subject you choose. Interact openly and respond to each other naturally. Be certain to use nonverbal skills. At the conclusion of the five minutes, each of you should make a list of the messages you received. Then review the lists together and compare the messages received to the messages you each intended to send. List the results in the space provided.

Message Received	Message Intended
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# ESSENTIAL EXPERIENCE ② Conducting the Client Consultation

The client consultation is one of the most important part of any service; this task should be completed with every single service and salon visit. Always be prepared for your client consultation.

#### **\*\*\* ACTIVITY 1** Mind Map Consultation Interference

Mind mapping simply creates a free-flowing outline of material or information with the central or key point being located in the center. The key point of this mind map is a client consultation. Diagram all the things that could interfere with the communication process during a client consultation. Use terms, pictures, and symbols as desired. Use color to increase the mind's retention and memory of the material. Keep your mind open and uncluttered, and do not worry about where a line or word should go, as the organization of the map will usually take care of itself.



## ESSENTIAL EXPERIENCE (1)

## Practice Communication Skills

### **TACTIVITY 1** Hand Movements

Every part of our body has something to add to the message that we are trying to send. Hand movements are the most common companions to spoken messages, more so for some than others. Many hand movements are so common they have come to mean the same thing for all of us. From the list below, match the listed hand movements with the nonverbal message they send.

hand movements with the nonverbal message	e they send.
<ol> <li>Pointing a finger at someone</li> <li>Twiddling thumbs</li> <li>Clasping two hands overhead</li> <li>Drumming or tapping fingers</li> <li>Crossing two fingers</li> <li>Crossing arms across chest</li> <li>Folding hands together on desk</li> <li>Making a circle with thumb and forefinger</li> <li>Making a fist</li> </ol>	Boredom, nervousness A warning, an accusation Hopefulness Calmness, self-confidence A threat Impatience, annoyance "Okay" or "right on" Authority, anger Victory
Activity 2 Eye Movement As with our hands, we can use our eyes to ser might include close attention, anger, admiratio list of various eye movements given below and nonverbal message you believe the eye mover  Staring and having a tightened jaw  Rolling the eyes  Looking directly at someone  Opening the eyes wide  Staring/glaring at someone for	n, disbelief, or surprise. Study the

#### 40

too long

quarters

contact

Blinking eyes rapidly

Looking directly at strangers in close

Shifting eyes away to avoid direct

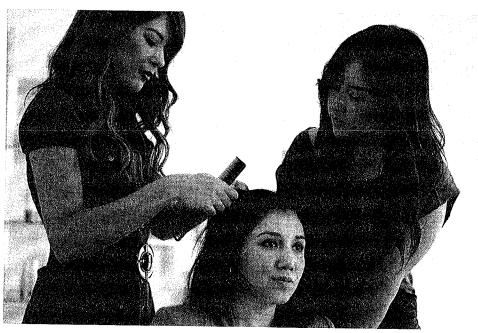
## Cosmetologists should study and have a thorough understanding of effective communication because:

- > Communicating effectively is the basis of all long-lasting relationships with clients and coworkers.
- ➤ The communication process will help stylists perfect the consultation process with clients.
- > Effective communication fosters a positive team environment.
- > Good communication skills reduce potential workplace conflict.
- > Learning how to communicate effectively can help stylists improve retail and service sales.
- > Practicing professional communication ensures that clients will enjoy their experience, and encourages their continued patronage.
- > Effectively expressing ideas is a necessary skill for career advancement.

## ESSENTIAL REFLECTIONS

### **\*\*\* ACTIVITY 1** Rate Your Communication Skills

Rate your communications skills on a scale of 1 to 5, with 5 being excellent. What area(s) would you like to improve?



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