-Chapter 7-TRICHOLOGY



Look for patterns in everything you learn... these patterns are the keys to understanding.

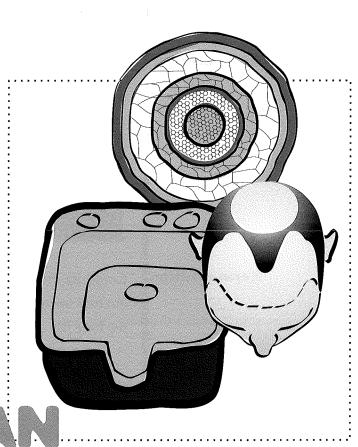
VALUE

Your shampoo and massage ability increases as you learn more about hair theory and care.

Knowledge of the study of hair + care and skill during shampoo and massage = quality salon

BIG



















Chapter 7: Trichology

HAIR THEORY

pages 181-183

Trichology

Hair Bulb Formation



Three Shapes of Follicles

Hair Growth

Papilla

Three Major Layers

The study of hair

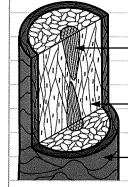
The hair follicle forms from a cluster two primary parts of the hair of cells in the upper layer of skin

HAIR ROOT HAIR FIBER

Inside the hair follicle; from which the hair grows prove skin's surface

- * Round
- * Oval
- * Elliptical

Filled with capillaries that supply nourishment to the cells around it



Medulla - Central core of hair shaft

Cortex - Inside of second layer of the hair shaft

Cuticle - the outer covering of the hair shaft

Keratinization

Three Stages of Growth

First Then

Finally

Anagen active growing attached root sheath
Catagen transitional cell division stops
Telogen resting stage no attached root sheath

the hair fiber or strand are no longer alive.

Keratinization is a process whereby cells change their shape, dry out and form keratin protein. Once keratinized, the cells that form





Chapter 7: Trichology

HAIR THEORY

pages 184-186

Hair Structure and Behavior

Three Factors That Affect Behavior

Cuticle/Cortex Ratio

Natural Hair Color



Albinism

- Heredity genes inherited from parents
- Environment air, moisture, will alter some bonds
- Products/Appliances eg. shampoos, curling irons

90% cortex; 10% cuticle

- Genes determine number of melanocytes
- 2. Melanin cells that exist among dividing cells
- 3. Melanocytes rests near hair bulb center
- 4. Size, type, distribution of melanosome

A total lack of pigmentation in the hair and skin

HAIR CARE

pages 187-188

Hair Evaluation

Texture

A STREET, STRE			B 1 45 PM 104 45
A.	TYPES	CHARACTERISTICS	NOTES
**************************************		A 1 A 111	XXX
diam's	Fine	feel of silk	
2.	Medium	feel of cotton	
	172 CLICELER		
3.	Coarse	feel of wool	
1.	Thick (heavy)	more active follicles	
2.	Thin (light)		

Density

- 3. Medium (medium)

Porosity

Elasticity

- 1. Resistant (poor) absorbs least amount of moisture
- 2. Average normal ability to absorb moisture
- 3. Extreme not in good condition; extreme absorption The ability of hair to stretch and return to its original

shape without breaking

- **Test for Structural** % Remove strand of hair Strength
 - 2. Hold between thumb and forefinger; ribbon
 - Pull hair taut for 10 seconds; release

















Common Hair Conditions

Fill in the missing elements for the following charts.

	ALSO KNOWN AS	CAUSE/TREATMENT
Broken Hair	Abraided	From excessive stretching, chemical treatment
Split Ends	Fragilitis Crinium and trichoptilosis	Protein conditioner to seal or cut ends off
Matting	Pilica Polonica	Mass of hair strands tangled together; cut
Nodules	Trichorrhexis Nodosa	Caused by poorly performed chemical services
Canities	Gray or white hair	Congenital or illness
Ringed Hair		* Alternating bands of gray and dark exist
Hypertrichosis	Hirsuties	Abnormal coverage of hair on the body; tweeze, electrolysis, wax
Monilethrix		Conditioning treatments may be given

Common Scalp Conditions

	MEDICAL TERM	DESCRIPTION	TREATMENT
Disorders	\$		- x a mag era u e 4 f lee f 9 11
Psoriasis	Psoriasis	Thick, crusty patches of red irritated scalp	* refer client to * physician
Dandruff	Pityriasis	Overabundance of pithelial cells	medicated shampo high frequency
Dry Dandruff	Pityriasis Capities Simplex	Dry epithelial cells attached to scalp (itchy)	mild shampoo, antiseptic
Greasy or Waxy Dandruff	Pityriasis Steatoides	Epithelial cells combine with sebum	* medical * treatment
Itch Mite	Scabies	Red and watery vesicles or pus filled areas	refer client to physician
Head Lice	Pediculosis Capitis	* Infestation on the scalp	Refer client to physician
Diseases		9	s .
Ringworm	Tinea	Red circular patch of small blisters	Refer client to physician
Ringworm of the Scalp	Tinea Capitis	Enlarged, open hair follicles surrounded by red spots	Refer client to physician
Honeycomb Ringworm	Tinea Favosa	Dry, yellow, encrusted areas on the scalp	* Refer client to * physician

0

0

40 - 100 strands a day

shrinking of follicles

Thinning of the hair

Alopecia or excessive hair loss

Known as male pattern baldness

A combination of heredity, hormones and age which causes



Chapter 7: Trichology

HAIR CARE

pages 191-196

Hair Loss

Normal Hair Loss

Androgenetic Hair Loss
Androgenetic Alopecia

Males

Females

Other Types of Hair Loss

> Postpartum alopecia temporary hair loss

Alopecia areata sudden loss of hair; irregular patches

Telogen
Effluvium - premature
shedding of hair

Traction or traumatic alopecia hair loss from pulling or twisting

Hair Loss Treatments



- . FDA approved products
- 2. Products that provide ideal environment for new growth

Other Types of

> Hair Loss

- 3. Surgical options
- Wigs, toupees, hair additions, weaving
- 5. Cosmetic hair thickeners

















Chapter 7: Trichology

DRAPING, SHAMPOOING AND SCALP MASSAGE

pages 197-201

Purpose of Shampooing



Draping Theory



Shampooing and Conditioning Theory

Water

Soft

Hard

Brushing and Combing

Scalp Massage Theory

Important Steps

To cleanse the scalp and hair by removing dirt, oils and
product build-up
Prior to hair care services; to protect client's skin
and clothing
Performed before most services except before certain color
and chemical services
Generally preferred for shampooing, rain water or chemically
treated water
Contains minerals, does not allow shampoo to lather freely
Removes tangles
Stimulates blood circulation
Removes dust, dirt and build up
Romotos eusig une une serie ap

Involves manipulations performed on the scalp for relaxation

Establish a soothing or stimulating rhythm

Keep fingernails at a moderate length

manipulations

Maintain contact with the client throughout the

Manipulations with firm, controlled movements















Chapter 7: Trichology

DRAPING, SHAMPOOING AND **SCALP MASSAGE**

pages 201; 214-215

Effleurage

Petrissage

Tapotement

Friction

Vibration

Aromatherapy

Normal Hair Oily Hair and Scalp **Dry Hair and Scalp** Oily Dandruff

Alopecia (Hair Loss)



MOVEMENT		EFFECT			
Light, gliding str	okes or circular	Relaxing, soothing			
motions made w	ith palm				
Light or heavy ki	neading and	Deep stimulation of			
rolling of the mu	muscles, nerves and				
thumb and finger	skin glands				
Light tapping or	slanninø	Deep stimulation of			
er en	ed with the fingers	muscles, nerves and			
movements appr	ou will the illigors	skin-glands			
Circular moveme	ent with no gliding	Stimulates nerves and			
used on scalp or	with a facial	increases circulation			
		increases circulation Highly stimulating			
Shaking moveme Directions: Using t		Highly stimulating			
Shaking moveme Directions: Using t	nt he words in the Jum	Highly stimulating			
Shaking moveme Directions: Using to Danks for the con-	nt he words in the Jum; ditions in the left-han	Highly stimulating			
Shaking moveme Directions: Using to Dianks for the cond Rosemary	nt he words in the Jum ditions in the left-han Chamomile	Highly stimulating o-Start-Box, fill in the d column.			
Shaking moveme Directions: Using to Dianks for the con- Rosemary Patchouli	nt he words in the Jum ditions in the left-han Chamomile Cedarwood	Highly stimulating o-Start-Box, fill in the d column. Clary Sage			
Shaking moveme Directions: Using to planks for the con- Rosemary Patchouli Ylang Ylang	nt he words in the Jump ditions in the left-han Chamomile Cedarwood Sandalwood	Highly stimulating Start-Box, fill in the d column. Clary Sage Lavender			
Shaking moveme Directions: Using to planks for the con- Rosemary Patchouli Ylang Ylang Lemon	nt he words in the Jump ditions in the left-han Chamomile Cedarwood Sandalwood	Highly stimulating Start-Box, fill in the d column. Clary Sage Lavender			



Rosemary **Clary Sage** Lavender Sandalwood

Thyme Cedarwood Lemon **Ylang Ylang** **Patchouli** Chamomile Bay















TALKING POINTS

Your next challenge is to be ready to talk about some of the important ideas in this chapter. Follow the directions listed next to each box. Then practice talking about your ideas with others.

- 1. Hair follicle forms from a cluster of cells
- 2. Works its way down into the lower layer of skin
- 3. Cell cluster pulls upper layer down creating a pocket Stages of growth are anagen or active stage, catagen or transition stage and telogen or resting stage

Describe the process of hair follicle formation and the stages of hair growth.

Medulla - central core - no importance (sometimes is absent) Cortex - 2nd layer - pigment and strength (elasticity) Cuticle - outer covering of hair shaft

Explain the three layers of hair and their importance to cosmetologists.

DISORDER
Broken Hair
Split Ends
Matting
Nodules
Canities
Ringed
Hypertrichosis
Monilethrix

DESCRIPTION
abraded
small cracks in cuticle
tangled hair strands
lumps or swelling of shaft
grayness or whiteness

grayness or whiteness alternating bands of gray and dark abnormal coverage of hair beads or nodes on hair shaft

CAUSE
excessive stretching
brittle condition
excessive hair lightening

chemical, mechanical or inherited illness, nervousness or heredity Discuss the eight common hair disorders and their causes.

THE CHALLENGE

Now it's time to see how well you know your new material. First answer these questions. Then use the Memory Box that follows to check yourself. Look up each answer on the corresponding page in the *Salon Fundamentals* textbook. Check "got it" for all correct answers and "not yet" for all incorrect responses. Using the "Know Chart," record all of your correct responses in the "I Know" column. After correcting incorrect answers, record all of your corrected responses in the "I Need to Study" column. That way you know exactly what to review before continuing in this Guide.

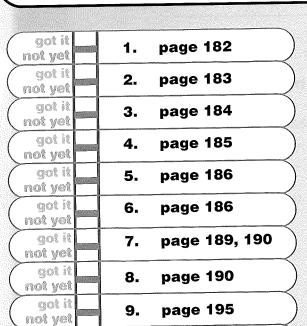
<u>a</u>	1. What are the three major layers of the hair?
0	2. Hair is primarily made of, which is made from the linking together of
0	3. What three factors dictate why everyone's hair is so different, even though all hair is primarily made of the same thing?
0	4. TRUE FALSE The cuticle is the protective part of the hair shaft and is made up of a harder protein than the cortex.
M	5. The size, type and distribution of will determine the natural color of hair.
0	6 is the brown/black in color and is the red in color.
0	7. During your professional analysis of a client's hair fiber, a number of observations will alert you to possible problems you might encounter as you service the hair. List seven of these observations.
3	

10. TRUE FALSE The FDA has ruled that products claiming hair regrowth or hair loss prevention cannot be marketed without prior FDA review and approval.

8. TRUE FALSE A dryer or a curling iron could cause the hair to become brittle and the cortex of the hair could mel(

9. The most common form of hair loss is androgenetic alopecia. What are some of the other types of hair loss?

MEMORY BOX



page 195



I Know:

- 1. medulla, cortex, cuticle
- 2. protein, amino acids
- 3. heredity, environment, products or appliances used
- 4. TRUE
- 5. melanosomes
- 6. eumelanin, pheomelanin
- 7. broken hair, split ends, matting, nodules, canities, ringed hair, hypertrichosis, monilethrix
- 8. TRUE

I Need to Study:

- 9. postpartumalopecia, alopeciaareata, telogeneffluvium, traction ortraumaticalopecia
- 10. TRUE

SHOW YOU KNOW..

The chapter you just reviewed, "Trichology," offers information to assist you in reaching the level of performance indicated by this Industry Standard:

Consult and provide services in a safe environment while using a variety of salon products that can be marketed to the client.

Show You Know...

10.

got it

1st Partner

not yet

Pair up with a partner and show you know how to shampoo by providing a shampoo service on each other for evaluation. Shown below is a score sheet to use for each other. Score 1 point for each area successfully completed by your partner. Show you know by earning all 10 points!

 You were welcomed with a warm greeting and
handshake.
 You were properly draped for the shampoo service.
 Communication was professional, friendly and
pertained to the service.

- pertained to the service.

 Examination of your scalp and hair was performed
- prior to the service.

 Your hair was brushed and tangles were removed comfortably.
- ___ Water temperature and pressure was comfortable.
- The massage manipulations were performed in a comfortable, confident manner.
- Concern was exhibited to not allow your face or clothing to become wet.
- ___ Thorough lathering and rinsing procedures were followed.
- Your hair was adequately towel-dried and detangled following the service.
 - ___ Total Points

2nd Partner

- ____ You were welcomed with a warm greeting and handshake.
- ____ You were properly draped for the shampoo service.
- Communication was professional, friendly and pertained to the service.
- Examination of your scalp and hair was performed prior to the service.
- ___ Your hair was brushed and tangles were removed comfortably.
- ___ Water temperature and pressure was comfortable.
- ___ The massage manipulations were performed in a comfortable, confident manner.
- Concern was exhibited to not allow your face or clothing to become wet.
- Thorough lathering and rinsing procedures were followed.
- Your hair was adequately towel-dried and detangled following the service.

Total Points

















RUBRIC



This rubric is a self-assessment tool designed to compare your skill to industry standards. Indicate your present level of performance by checking the appropriate box. See overview for instructions.

Wet Hair Service Draping, Shampooing and Conditioning

Industry Standard - to meet entry level proficiency, Industry Standards require that you:

• Provide hair-related services in accordance with a client's needs or expectations in a safe environment.

Preparation	Level 1	Level 2	Level 3	To Improve, I Need To:	Teacher Assessmen
Assemble the essential products, implements/supplies and equipment for the procedure	en web skillending	Tomoraming	SEDIMAN MARKET		
Procedure					
• Wash and sanitize hands	The management			_	
• Ask client to remove jewelry and glasses and secure in a safe place	and the second	Contraction of			
Clip client's hair out of the way		Parent Consultation of the			
• Turn client's collar inward if applicable	encomes a	- Constant			
• Place towel lengthwise over client's shoulders, cross ends in front	graphical control of the control of		Politimoreuppy		
Position plastic cape over towel and secure	Annual Co.				PO000000000000000000000000000000000000
• Examine the client's hair and scalp					
Position cape over shampoo chair					
Brush the hair	and the state of t				
• Test the temperature and pressure of the water; wet the hair; apply shampoo		and the second s	The state of the s		
Perform scalp massage manipulations			TOTAL COLUMN TO THE PARTY OF TH		
 Rinse thoroughly; repeat shampoo and rinse procedures if necessary 	priori-money	THE STATE OF THE S			
 Apply rinse or conditioner; rinse thoroughly 			Tild de decem		F
Towel dry client's hair; detangle the hair	months or should				-
Completion					International In
• Clean shampoo service area before continuing with client; ensure there is no water left standing in the shampoo service area	ginera et malarej	And the second s	And in concession of the conce		
Discuss the products you used on the client and proceed to the next service.		e militare en a	Processor Constitution of the Constitution of		
		00000	0 0 0 0 0 0 6		
Total = addition of all Teacher Assessment boxes	s		T	otal	6
The second secon	-			Olai	51 (
Percentage = student score / highest possible so	rore		Percent		%

RUBRIC



This rubric is a self-assessment tool designed to compare your skill to industry standards. Indicate your present level of performance by checking the appropriate box. See overview for instructions.

Basic Scalp Massage

Industry Standard – to meet entry level proficiency, Industry Standards require that you:

• Provide hair-related services in accordance with a client's needs or expectations in a safe environment.

	Level 1	Level 2	Level 3	To Improve, I Need To:	Teacher Assessment
Preparation					
• Assemble the essential products, implements/supplies and equipment for the procedure	Anthropology of the Control of the C	navenue en a	Sometimes to be		Acceptance
Procedure					
Wash and sanitize hands		Newstream .	Constitution (
Drape client for a wet hair service		CONTRACTOR OF THE PARTY OF THE	energy and		
Detangle hair	e de la constitue de la consti		- CONTRACT		
Apply scalp product			-		
Perform effleurage scalp manipulations			CONSTRA		
Perform petrissage scalp manipulations	bozoneni	assertation.			
Perform effleurage scalp manipulations					
• Perform tapotement		enterior enterior			
• Rotate the scalp		According to	concord		
Conclude scalp massage	And the second				
Shampoo client's hair	connec				
• Dry hair or move to next service	The same of the sa	Authorize despois	ennenn		
Completion					
Discuss and offer a rebook visit	eoreore	phiaregonic de la constantina del constantina de la constantina del constantina de la constantina de l	Control .		
• Recommend appropriate retail products to your client	-		ententanos.		
Clean your work area			400444000		particle description of the second
		9 9 9 9 9			
Total = addition of all Teacher Assessment boxe	s			Total	
					48
Percentage = student score / highest possible s	core		Percer	tage	%

BRAIN CONDITIONER

Multiple choice. Circle the correct answer.

1.	The technical name for the str a) trichology	ndy of hair is: b) hairology	c)	biology	d)	cosmetology
2.	Which of the following items i a) hair fiber	s alive? b) hair bulb	c)	hair strand	d)	keratin
3.	The cluster of cells in the epida) hair fiber	ermis from which the hair foll b) hair strand		forms is called the: primitive hair germ	d)	root sheath
4.	The root sheath of hair is typica) kinky hair	cally oval or round in: b) curly hair	c)	wavy or straight hair	d)	coarse hair
5.	What item needs nourishment a) primitive hair germ	to grow into a fully developed b) cortex		ir follicle? root sheath	d)	cuticle
6.	Which of the following function a) support	ons is NOT one of the main pu b) adornment	-	ses of hair? protection from cold	d)	protection from injury
7.	Which item produces oil and s a) papilla	sends it up through the hair fol b) root sheath		es to the surface of the skin sebaceous gland		arrector pili
8.	Which section of the hair struct a) germinal matrix	cture is the area where mitosis b) root sheath		es place? hair follicle	d)	cuticle
9.	The outer covering of the hair a) sebum	fiber is called the: b) medulla	c)	cuticle	d)	cortex
10.	What does sebum mix with to a) perspiration	form the acid mantle? b) oil	c)	amino acid	d)	protein
11.	What layer of the hair fiber giva) cuticle	ves hair its pigment and elastic b) cortex	•	medulla	d)	sebum
12.	Which layer of hair may be ab	sent in fine or very fine hair? b) outer	c)	medulla	d)	cortex
13.	The helix or coil shape of what a) medulla	t part of the hair follicle gives h		the ability to stretch?	d)	root sheath
14.	Hair falls out during which sta a) active	nge of growth? b) anagen	c)	catagen	d)	telogen
15.	On the average, what stage of a) resting	hair growth lasts from two to s		vears? catagen	d)	telogen
16.	Which of these factors does NO a) frequent exercise	OT affect hair growth? b) disease	c)	lack of vitamins	d)	medication
17.	Which of these factors does NO a) heredity	OT influence the behavior of h b) temperature outside		environment	d)	products or appliances (

18.	How is the protein in the cutica) harder than	cle different than the protein i b) more elastic		e cortex? softer than	d)	more abundant
19.	Which of the following statem a) may be up to 40 % cutic c) may not have any cuticle	le		may be more receptive to may be less than 10% cu	_	
20.	What structures group together a) amino acids	er and form bundles called me b) proteins		osomes? melanocytes	d)	keratin
21.	Melanin in brown/black hair a) pheomelanin	s called: b) eumelanin	c)	albinism	d)	melanosome
22.	The number of melanocytes in a) papilla	n the hair and pigment produc b) genes		s determined by: melanosomes	d)	the dermal papilla
23.	People with lighter-colored ha	ir have melanin in the: b) cortex only	c)	cuticle and cortex	d)	medulla only
24.	A high concentration of pheora) red hair	nelanin will result in: b) black hair	c)	brown hair	d)	dense hair
25.	The degree of coarseness or final density	neness of the hair fiber is refer b) porosity		to as: viscosity	d)	texture
26.	What condition is determined a) texture	by the number of active hair : b) density		cles per square inch of scal porosity		viscosity
27.	The amount of moisture able a) texture	to be absorbed by hair is calle b) density		capacity	d)	porosity
28.	The ability of hair to stretch a	nd return to its original shape b) texture		hout breaking is called: porosity	d)	breaking point
29.	Which porosity describes hair cuticle layers?			·		
	a) resistant	b) average	c)	extreme	d)	tineven 1
30.	Hair damaged due to chemica a) extreme porosity	l services or environment is sa b) resistant porosity		have: uneven porosity	d)	average porosity
31.	Normal dry hair is capable of a) one-tenth	being stretched to what fraction b) one-fifth		f its length? one-half	d)	three-fourths 3
32.	Wet hair is able to be stretched a) 10% to 20%	l to what percent of its length b) 40% to 50%		70% to 80%	d)	100%
33.	Split hair ends start as cracks a) medulla	in the: b) cuticle	c)	cortex	d)	DNA 6
34.	Fragilitis crinium is the technia) alopecia	cal name for: b) split ends	c)	ringed hair	d)	matting 6
35.	An abraded cuticle can result a) brushing c) clipping hair back tightly	from all of the following action	b)	XCEPT: shampooing manipulating the hair wh	en v	0

	A term applied to matting of tal alopecia	b) pilica polonica	c)	ringed hair	d)	monilethrix
7	This hair and distance has a	d b ibi+- d d-6+	: 41	L-1-2- L		
۲.	This hair condition may be ca a) pilica polonica	b) alopecia		trichorrhexis nodosa		e: trichonodosis
	a) pinea poioinea	b) aropecia	0)	dichornicas nodosa	u)	trichonodosis
3.	Grayness or whiteness of hair $$	is called:				
	a) hypertrichosis	b) canities	c)	monilethrix	d)	androgenetic alopeci
)	An abnormal coverage of hair	on the body where normally	v only	lanugo hair annears des	cribes	
•	a) hypertrichosis	b) monilethrix		trichorrhexis nodosa		pilica polonica
	, ,,	·	ŕ		/	Parou Poromon
).	A condition in which beads or					
	a) hypertrichosis	b) monilethrix	c)	canities	d)	nodules
١.	A condition in which alternati	ng bands of gray and dark b	ısir ex	ist is called:		
•	a) ringed hair	b) canities		monilethrix	d)	hypertrichosis
		,	,			
)	Removal methods used for hyp	pertrichosis range from twee	ezing t	o electrolysis, depending	g on al	l of the following
	factors EXCEPT:		1.	1		
	a) client preferencec) cosmetologist's preference			location of the hair amount of hair to be re	-32 00	J
	c) cosmetologist's preference	;	u)	amount of nair to be re	шоче	u
3.	The average head contains ho	w many strands of hair per s	square	inch of surface?		
	a) 1,000	b) 2,000	c)	3,000	d)	over 5,000
	D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		,			
1	People with what color of hair.	on the average, have the fe		nir etrande/		
	_	9			1\	1
	a) black	b) red		blonde	d)	brown
	a) black	b) red	c)	blonde	d)	brown
	_	b) red	c) iost ha	blonde	·	brown blonde
5.	a) blackPeople with what color of hair a) red	b) red , on the average, have the m b) brown	c) iost ha	blonde ir strands?	·	
١.	a) blackPeople with what color of haira) redThe medical term for head lice	b) red , on the average, have the m b) brown e is:	c) nost ha c)	blonde ir strands? brunette	d)	blonde
.	a) blackPeople with what color of hair a) red	b) red , on the average, have the m b) brown	c) nost ha c)	blonde ir strands?	d)	
	a) blackPeople with what color of hair,a) redThe medical term for head licea) scabies	b) red , on the average, have the m b) brown e is: b) tinea favosa	c) nost ha c)	blonde ir strands? brunette pediculosis capitis	d)	blonde pityriasis steatoides
	a) blackPeople with what color of haira) redThe medical term for head lice	b) red , on the average, have the m b) brown e is: b) tinea favosa	c) nost ha c)	blonde ir strands? brunette pediculosis capitis	d)	blonde pityriasis steatoides
	 a) black People with what color of hair, a) red The medical term for head lice a) scabies The medical term for an overa 	b) red , on the average, have the m b) brown e is: b) tinea favosa	c) nost ha c) c) that h	blonde ir strands? brunette pediculosis capitis	d) d) scalp	blonde pityriasis steatoides
	a) black People with what color of hair, a) red The medical term for head lice a) scabies The medical term for an overa is a disorder known as: a) tinea capitis	b) red on the average, have the m b) brown e is: b) tinea favosa bundance of epithelial cells b) tinea favosa	c) nost ha c) c) that h	blonde ir strands? brunette pediculosis capitis ave accumulated on the	d) d) scalp	blonde pityriasis steatoides or fallen to the should
	a) black People with what color of hair, a) red The medical term for head lice a) scabies The medical term for an overa is a disorder known as: a) tinea capitis The medical term for greasy or	b) red on the average, have the m b) brown e is: b) tinea favosa bundance of epithelial cells b) tinea favosa r waxy dandruff is:	c) tost ha c) c) that h	blonde ir strands? brunette pediculosis capitis ave accumulated on the scabies	d) d) scalp d)	blonde pityriasis steatoides or fallen to the should pityriasis
	a) black People with what color of hair, a) red The medical term for head lice a) scabies The medical term for an overa is a disorder known as: a) tinea capitis	b) red on the average, have the m b) brown e is: b) tinea favosa bundance of epithelial cells b) tinea favosa	c) tost ha c) c) that h	blonde ir strands? brunette pediculosis capitis ave accumulated on the	d) d) scalp d)	blonde pityriasis steatoides or fallen to the should
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	a) black People with what color of hair, a) red The medical term for head lice a) scabies The medical term for an overa is a disorder known as: a) timea capitis The medical term for greasy or a) timea capitis What is the term applied to the a) lanugo The term used for excessive ha	b) red on the average, have the m b) brown e is: b) tinea favosa bundance of epithelial cells b) tinea favosa r waxy dandruff is: b) pityriasis capitis e baby fine hair that is shed b) vellus ir loss is known as:	c) cost ha c) c) that h c) shortl c)	blonde ir strands? brunette pediculosis capitis ave accumulated on the scabies pityriasis steatoides y after birth? alopecia	d) scalp d) d) d)	blonde pityriasis steatoides or fallen to the should pityriasis tinea favosa follicle
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94.	a) the shrinking of scalp for	llicles	b) the lengthening of the hair's growing cycle d) the telogen phase to become shorter			
	c) the anagen phase to be	ome longer	d) the telogen pha	se to become shorter		
55.	 Alopecia, or excessive hair loss, may be caused by any one a) fungal infection c) parasitic organism 		ne of the following EXCEPT: b) bacterial infection d) inflammatory disease of the scalp			
5 6	Usin loss identification aveta	ma identify the				
50.	Hair loss identification systema) pattern and density of thec) hair color variations of the	he client's hair	b) texture of the cl d) treatment optio			
57.	Hair loss caused by excessive a) telogen effluvium	e stretching is called: b) fragilitis crinium	c) pilica polonica	d) traction alopecia		
58.	Products claiming hair regro	wth or hair loss prevention	annot be marketed with	out what agency's review		
	and approval? a) OSHA	b) EPA	c) USDA	d) FDA		
59.	Sudden hair loss in round or	irregular patches without t	e display of an inflamed	l scalp is referred to as:		
	a) postpartum alopecia	b) alopecia areata	c) telogen effluviu	-		
60.	Which term is a temporary ha) postpartum alopecia	air loss that occurs only in b) alopecia areata	romen? c) telogen effluviu	m d) androgenetic alopecia		
61.	The premature shedding of ha) telogen effluvium	nair in the resting phase is: b) alopecia areata	c) traumatic alope	cia d) postpartum alopecia		
62.	Cleansing the scalp and hair a) scalp massage	by removing dirt, oils and p	roduct build-up is the p	urpose of: d) perming		
63.	What should be done if a clie a) proceed with the service b) refer the client to a phys c) use a disinfecting shamp d) proceed with the service	, with caution ician oo before proceeding with	·		0	
64.	Which term describes the sci-	entific method of manipula	ng the body by rubbing	, pinching, tapping, kneading or	_	
	stroking with the hands, fing a) cosmetology	ers or an instrument? b) trichology	c) anatomy	d) massage	0	
65.	When dealing with a client, a a) safety	professional cosmetologist b) comfort	s responsible for all of the c) transportation	ne following items EXCEPT: d) protection	0	
66.	Which of the following stater a) performed prior to hair c c) performed after client re	care service	b) protects client's	skin and clothing shampooing is complete	O O	
67.	What type of cape is generall a) plastic or waterproof cap			or chemical services? loth cape d) light-weight cape	<u>0</u>	
68.	Many regulating agencies req a) use of a neck strip b) prevent direct contact w c) use of a laundered cape d) shampoo prior to drapin	ith the client's skin and cap			0	

69.	What kind of shampoos wil a) shampoos with a high	•	b) shampoos that a	ra acid-balancad		
	c) shampoos with a pH of	**	d) shampoos with ε			
70.	Which type of water contain a) warm	ns minerals and does not allo b) cold	w shampoo to lather freel c) soft	l y? d) hard		
71.	Brushing the hair prior to a a) removing tangles c) stimulating blood circu	-	tes all of the following EX b) removing dust at d) decreasing blood	nd dirt		
72.	2. Which of the following statements is true of removing tangles from the hair? a) start at lowest point of tangled area b) start at the scalp and progress toward the ends of hace in the highest point of the tangled area					
73.	Scalp massage involves man	nipulations performed on the	scalp to relax the muscles	s and stimulate: d) the cortex	!	
74.	What kind of massage uses the fingertips?				of	
	a) petrissage	b) tapotement	c) friction	d) effleurage	1	
75.	What kind of massage uses a) petrissage	heavy kneading and rolling o b) tapotement	of the muscles? c) friction	d) vibration	i	
76.	Light tapping or slapping material a) petrissage	hassage movements are know b) tapotement	n as: c) friction	d) effleurage		
77.	The most important scalp material a) effleurage	nassage manipulation that sti b) petrissage	mulates the sebaceous gla	unds is known as: d) friction		
78.	What type of shampoos clea a) all-purpose	nse the hair without correcti b) medicated	ng any special conditions c) clarifying	? d) anti-dandruff		
79.	What type of shampoos are a) liquid dry	used to remove residue such b) powder dry	as product build-up? c) clarifying	d) plain	(
80.	What type of shampoos are a) acid-balanced	especially good for cleansing b) all-purpose	lightened, color-treated o	or dry, brittle hair? d) liquid dry	f g	
81.	What type of rinse is used af a) cream	fter a color service to prevent b) color	the color from fading? c) medicated	d) acid-balanced	ę.	
82.	What type of conditioner hele a) normalizing	lps close the cuticle after an a b) moisturizing	alkaline chemical service? c) customized	d) instant	(
83.	The structural organization (a) hair dryers	of the hair can be affected by b) perms	vall of the following facto	ors EXCEPT: d) shampoo	e e	
84.	Avoid giving a scalp massage a) relaxing healthy hair c) perming healthy hair	e prior to all of the following	services EXCEPT: b) coloring healthy l d) shampooing heal			
0.5	What term is used to describ	e the combination of the sen	se of smell and the use of	plant extracts and their	(
	healing abilities?				(