

External Packet

Due: Thursday, April 10, 2008

Worth: 60 pts

Each page is worth 5pts. The paper
MUST be completely finished to
receive credit. It is all 5pts or 0pts for
the page.

Name: _____

Class Period _____

ROOTS AND COMBINING FORMS - PART I

About Roots and Combining Forms:

EXTERNAL ANATOMY:

Discuss the meaning of each word root by dividing the word into its parts, and determining the meaning of each part.

Root/Combining Form:	Meaning:	Example Word:	Explanation:
Directional Terms:			
1. dors/i, dors/o-		Dorsal fin	(The fin on a shark that sticks out of the water.)
2. later/o-		Lateral	(A directional term indicating the side)
3. ventr/-, ventr/o		Ventral	(A directional term meaning the belly)
General Terms:			
4. somat/o-, somatic/o-		Somatomegaly	(-megaly means large. Another word for a giant)

ROOTS AND COMBINING FORMS - PART I

<u>Root/Combining Form:</u>	<u>Meaning:</u>	<u>Example Word:</u>	<u>Explanation:</u>
Head:			
5. capit/o-		Capital	
6. cephal/o-		Cephalic	(refers to the top or "head" of the femur bone)
7. faci/o-		Facial	(a directional term meaning toward the head)
8. nas/o-		Nasal	
9. occipit/o-		Occipital	(Refers to one of the bones of the skull. Where is the occipital bone located?)
10. rhin/o-		Rhinoceros	(This animal appears to have a big what?)
Neck:			
11. cervic/o-		Cervicothoracic	(a term referring to the neck and thorax)
Trunk:			
12. lapar/o-		Laparoscope	(An instrument used to examine the abdominal cavity by passage through a small hole)
13. steth/o-		Laparotomy	(Surgical incision through the flank)
14. thorac/o-		Stethoscope	
		Thorax	

ROOTS AND COMBINING FORMS - PART I

<u>Root/Combining Form:</u>	<u>Meaning:</u>	<u>Example Word:</u>	<u>Explanation:</u>
Extremities:			
15. brachi/o-		Brachial plexus	(Nerves in the region of the arm pit which innervate the front leg. Brachial is an anatomical term.)
16. carp/o-		Carpal tunnel syndrome	Plexus indicates a group of nerves.)
17. dactyl/o-		Pterodactyl	(A flying dinosaur that has a wing membrane attached to the first finger bone. Ptero means wing)
18. pod/o-		Pododermatitis	(An infection of the skin of the foot)
19. tars/o-		Tarsus	(An anatomical term)
Integumentary System and Other Outer Structures:			
20. derm/a, derm/o, dermat/o-		Dermatologist	(Think how mammals feed their young in a way that is unique among the animal kingdom)
21. mamm/a-, mamm/o-		Mammal	
22. mast/o-		Mastectomy	
23. omphal/o-		Omphalitis	(Inflammation of the umbilical cord)
24. onych/o-		Onychectomy	(The medical term for a declaw)
25. papill/o		Papilloma	(A nipple-shaped tumor)
26. phall/o-		Phallic	(I think you probably already know this one!)
27. pil/o-		Pilomotor	(Pertaining to the muscles that cause your hair to stand on end)
28. trich/o-		Trichotillomania	(We often feel like doing this when we are really distressed. Tillo-means to pull and mania indicates a madness)

ROOTS AND COMBINING FORMS - PART I

<u>Root/Combining Form:</u>	<u>Meaning:</u>	<u>Example Word:</u>	<u>Explanation:</u>
<u>Mouth and Gastrointestinal Tract:</u>			
29. bucc/o-		Buccal	(A directional term indicating the surface of a tooth nearest the cheek)
30. cheil/o, chil/o-		Cheilophagia	(a behavior we may all engage in when nervous. "phag-" means "to eat")
31. dent/i, dent/o-		Dentist	
32. gingiv/o-		Gingivitis	
33. gloss/o-		Glossopharyngeal	(pertaining to the tongue and pharynx)
34. gnath/o-		Brachygnathia	(indicates a patient's lower jaw is shorter than the upper jaw. Brachy- means short.)
35. labi/o-		Labial	(a directional term indicating the surface of the tooth nearest the lips)
36. lingu/o-		Linguistics	(The study of language. Refers to a part of the anatomy necessary for speech)
37. odont/o-		Orthodontist	
38. or/o-		Oropharynx	(An anatomical term. The part of the pharynx which is in the mouth)
39. stom-, stomat/o-		Colostomy	(An opening surgically created from the colon to the outside body wall)

ROOTS AND COMBINING FORMS - PART I

<u>Root/Combining Form:</u>	<u>Meaning:</u>	<u>Example Word:</u>	<u>Explanation:</u>
Special Senses:			
40. blephar/o-		Blepharospasm	(Tight closure of the eye due to pain or irritation)
41. canth/o-		Canthoplasty	(a surgical procedure involving the junction between the eyelids)
42. cili/o		Supercilious	(A term that means "stuck up")
43. cor/e, cor/o		Coreometer	(A instrument which is also called a Pupillometer)
44. irid/o-		Iris	
45. ocul/o-		Oculist	
46. ophthalm/o-		Ophthalmologist	
47. ot/o-		Otitis externa	(Swimmer's ear)
48. tars/o-		Tarsorrhaphy	(tarsos is a [Gr] word meaning broad, flat surface)

Name _____

External Anatomy Root Exercise 1

Write the correct root word.

_____ arm

_____ area corresponding to the human wrist

_____ back

_____ belly, underside of quadruped

_____ body

_____ chest

_____ chest or thorax

_____ flank, abdomen

_____ neck

_____ side

_____ digit, toe

_____ nail or claw

_____ back of head

_____ head

_____ head

_____ ear

_____ face

_____ cheek

_____ nose

_____ nose

Name _____

External Anatomy Root Exercise 2

Write the correct root word.

- _____ eye
- _____ eye or eyes
- _____ eyelid or eyelash
- _____ eyelid, eyelash, or small hairlike projection
- _____ angle at either end of the slit between the eyelids
- _____ iris of eye
- _____ pupil of eye
- _____ foot or foot-shaped part
- _____ area corresponding to the human ankle or the edge of the eyelid.

- _____ hair
- _____ hair or hairlike structure
- _____ mammary gland
- _____ mammary gland
- _____ navel or umbilicus
- _____ nipple or nipple-shaped projection
- _____ penis
- _____ skin

Name _____

External Anatomy Root Exercise 3

Write the correct root word.

_____ mouth
_____ mouth
_____ jaw
_____ lip
_____ lip, especially lips of mouth
_____ tongue
_____ tongue
_____ tooth or teeth
_____ tooth or teeth
_____ gums

Stapharo and cilio mean _____ and _____.

The combining forms for head are _____ and _____.

The combining form for hair is _____.

The combining form for lip is _____.

Rhino and naso both refer to _____.

Two combining forms for mammary gland are _____ and _____.

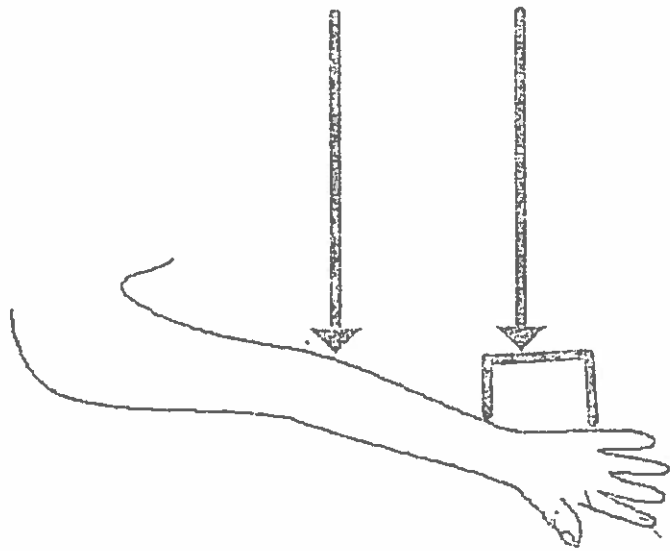
Cervico means _____.

A combining form for mouth is _____.

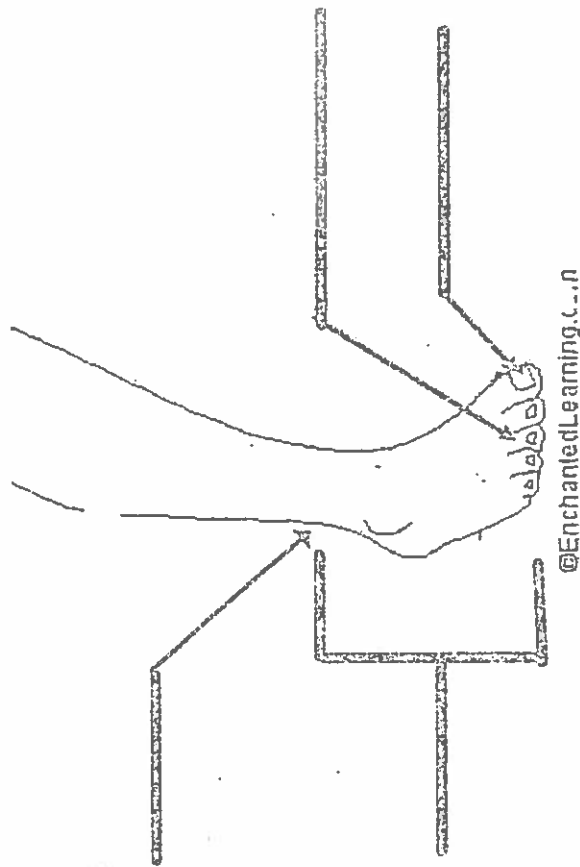
Ophthalmo and _____ are combining forms for eye.

_____etho and _____ are combining forms for chest.

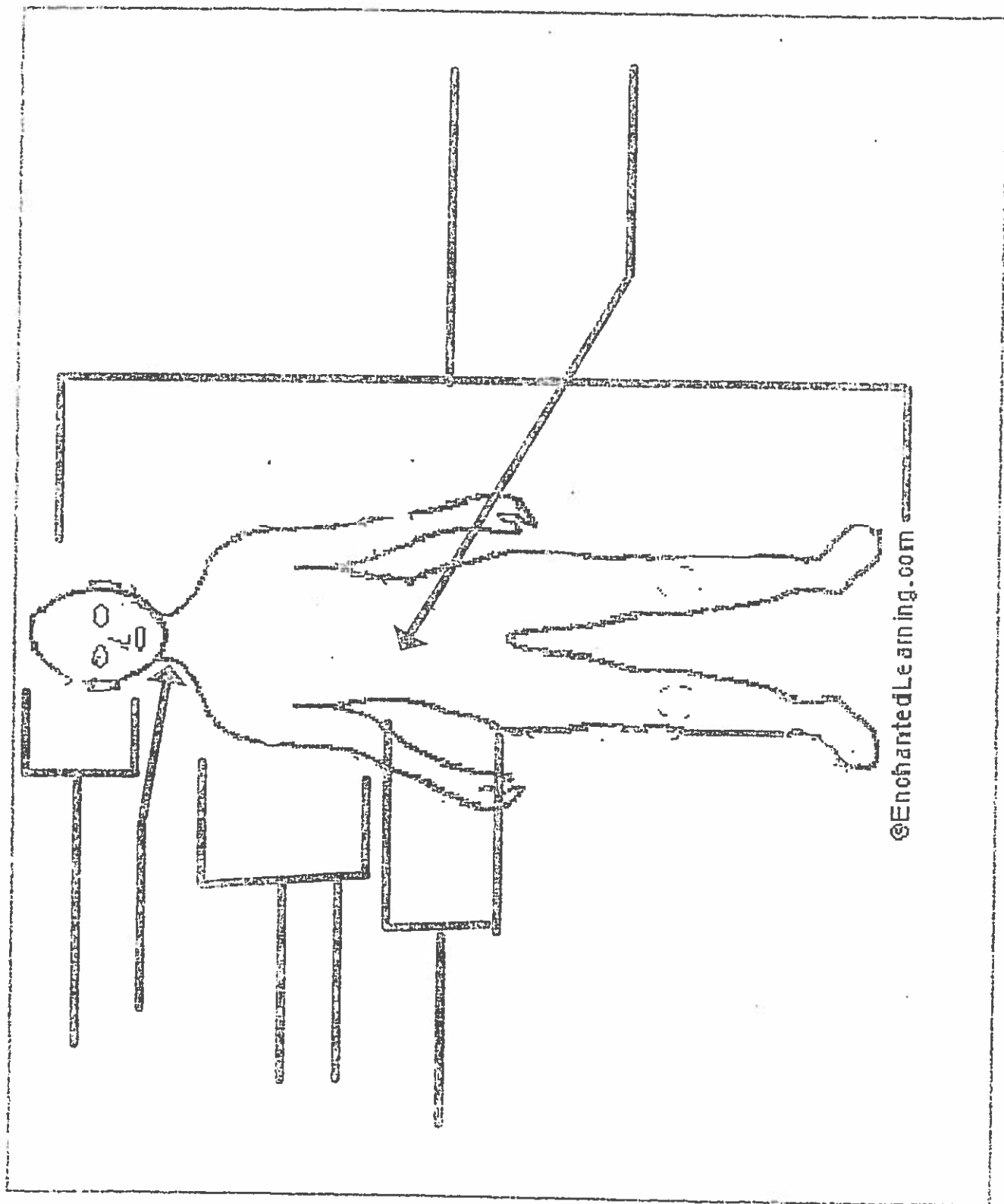
External exercise 1

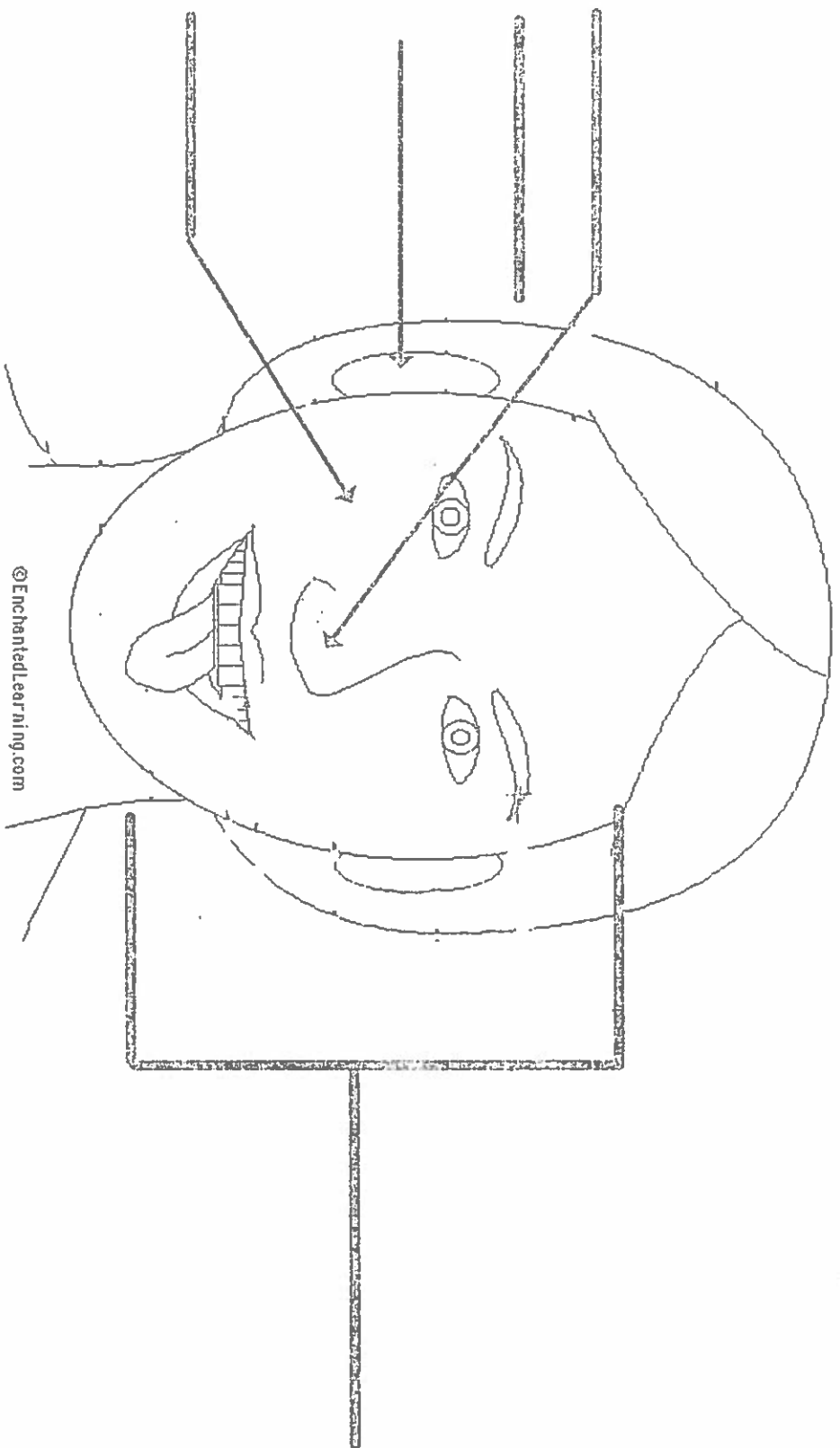


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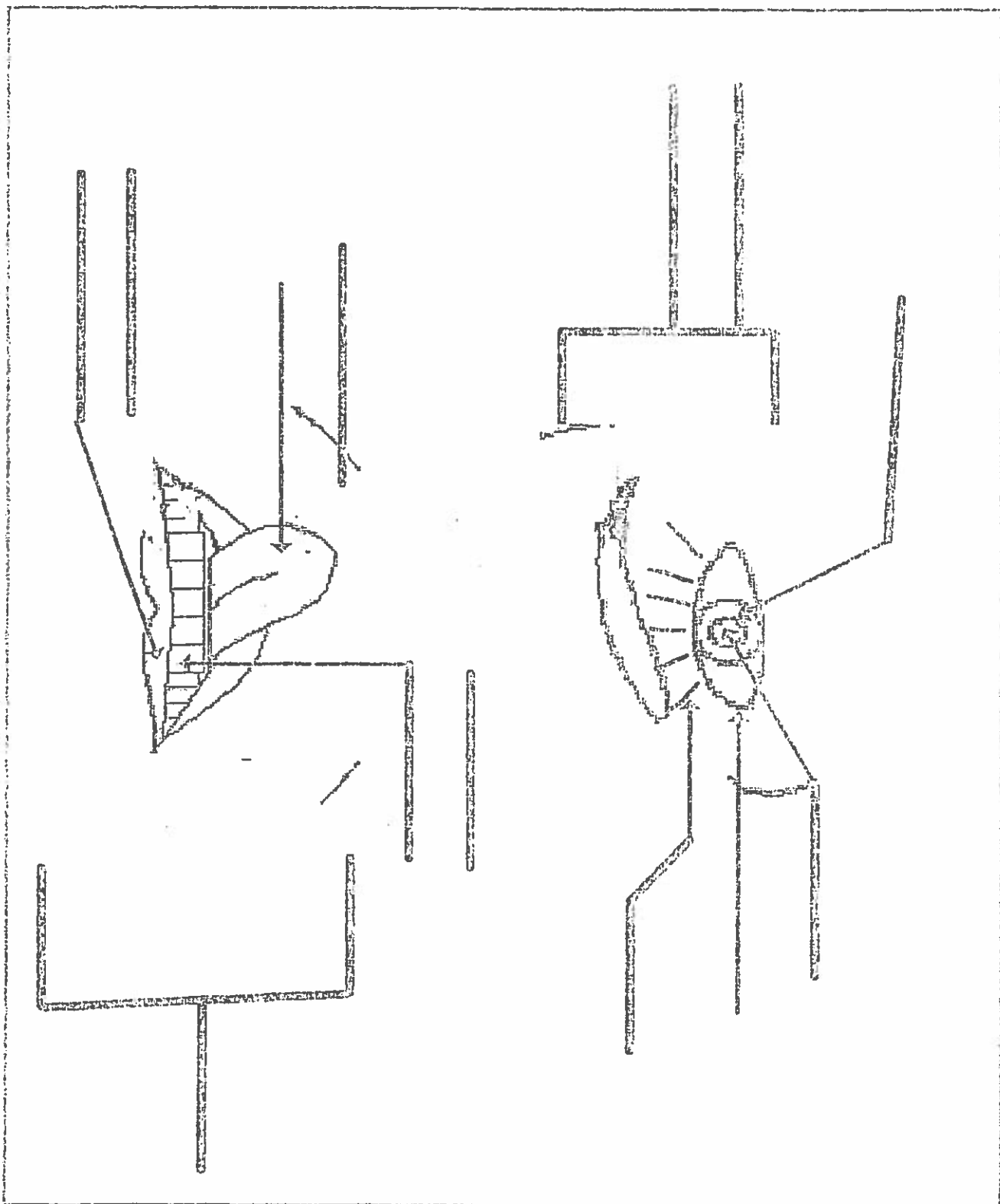


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Match the following terms and

definitions.

Brachi/o-	arm
Canth/o-	eyelid, eyelash, or small hairlike projection
Carp/o-	iris of eye
Cervic/o-	angle at either end of the slit between the eyelids
Cili/o-	mammary gland
Dactyl/o-	neck
Derm/a-, derm/o-, dermat/o-	face
Faci/o-	digit, toe
Gloss/o-	tongue
Irid/o-	area corresponding to the human wrist
Lapar/o-	skin
Lingu/o-	flank, abdomen
Mast/o-	tongue

Match the following terms and definitions.

Blephar/o-	head
Bucc/o-	gums
Capit/o-	eyelid or eyelash
Cephal/o-	back
Cheil/o-, chil/o-	cheek
Cor/e-, cor/o-	lip
Dent/i-, dent/c-	pupil of eye
Dors/i-, dors/o-	jaw
Gingiv/o-	head
Gnath/o-	tooth or teeth

External Exercise 5

Students: Write your name at the top. There are 20 external words.
Circle the ones you find. The "o" is not on the word.

F V K R J N E T C F U M A M M
J A G Q B I M R S W F A C I D
L P A P I L L I X G G M O V T
D E G E R T G C I C C O C L V
R H I N U F R H X R H K C G F
J G D M A L B N W V B D I Y Y
V U C E A T L L I D M L P X I
N Q R I R S H A E B S W I I E
L I O T L M T T T P U T T J G
M A G C O I G D T E H C E W S
R I B V H S I C A E R A C T P
C M V I P G N K R Y D U R Q H
Y L A V Q X G N S C A E P F Z
R U C E R V I C A J J M N A P
I Z Y Z X D V Z C A N T H T M

Write a list of the words you find and their corresponding body part.

Name _____

External Exercise 6

Blephar/o- _____

Bucc/o- _____

Canth/o- _____

Capit/o- _____

Carp/o- _____

Cheil/o-, chil/o- _____

Cor/e-, cor/o- _____

Dent/i-, dent/o- _____

Dors/i-, dors/o- _____

Gloss/o- _____

Gnath/o- _____

Labi/o- _____

Lingu/o- _____

Mast/o- _____

Occipit/o- _____

Odont/o- _____

Or/o- _____

papill/o- _____

phall/o- _____

pil/o- _____

steth/o- _____

stom-, stomat/o- _____

Trich/o- _____

EXTERNAL ANATOMY EXERCISES

EXERCISE #7

Each of the following anatomical structures is described by two different word roots. Using the External Anatomy pool, find the two word roots that relate to each of these structures and insert them in the spaces provided.

Anatomical Structure:	Word Root:		Word Root:
Eye	_____	and	_____
Head	_____	and	_____
Nose	_____	and	_____
Lip	_____	and	_____
Chest	_____	and	_____
Eyelid	_____	and	_____
Mammary gland	_____	and	_____
Hair	_____	and	_____
Tooth	_____	and	_____
Mouth	_____	and	_____
Tongue	_____	and	_____

EXTERNAL ANATOMY ROOT/COMBINING FORM POOL:

blephar/o-	dactyl/o-	mamm/o-	papill/o-
brachi/o-	dent/o-	mast/o-	phall/o-
bucc/o-	dermat/o-	nas/o-	pil/o-
canth/o-	dors/o-	occipit/o-	pod/o-
capit/o-	faci/o-	ocul/o-	rhin/o-
carp/o-	gingiv/o-	odont/o-	somat/o-
cephal/o-	gloss/o-	omphal/o-	steth/o-
cervic/o-	gnath/o-	onych/o-	stom-
cheil/o-	irid/o-	ophthalm/o-	tars/o-
cili/o-	labi/o-	or/o-	thorac/o-
cor/o-	lapar/o-	ot/o-	trich/o-
	later/o-		ventr/o-
	lingu/o-		

EXTERNAL ANATOMY EXERCISES

EXERCISE #2:



*Using your knowledge of word components define the following
Veterinary Medical Terms.*

Term:	Definition:
1 Dorsolateral	
2 Rhinoplasty	
3 Laparotomy	
4 Buccolabial	
5 Syndactyly	
6 Metatarsus	
7 Dermatitis	
8 Mastectomy	
9 Periomphalic	
10 Onychorrhhexis	
11 Cheiloplasty	
12 Gingivectomy	
13 Glossodynia	
14 Odontogenesis	
15 Stomatitis	
16 Piloerection	
17 Otorhinologist	
18 Thoracotomy	
19 Papillectomy	
20 Lingual	