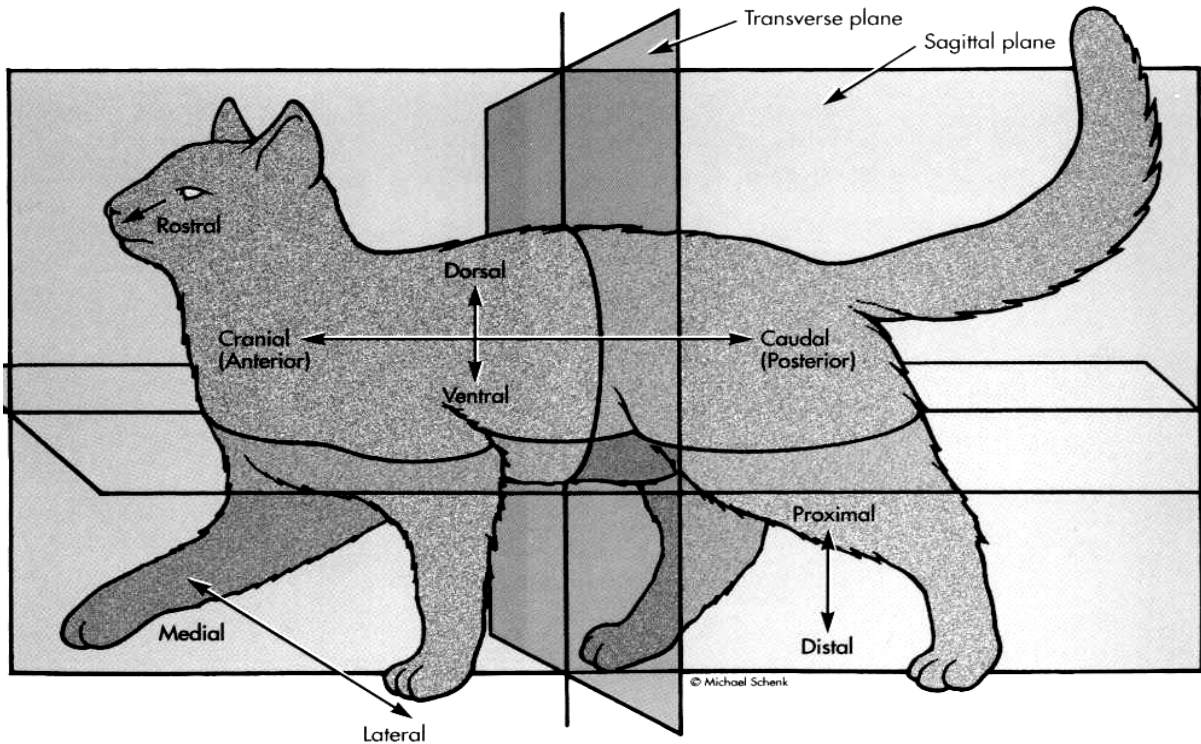
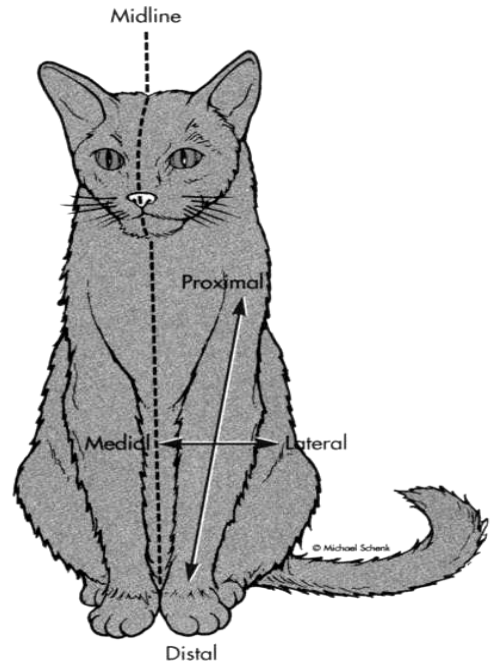


Anatomical and Directional Terms

Term	Meaning
Dorsal	
Ventral	
Cranial	
Caudal	
Anterior	
Posterior	
Medial	
Lateral	
Midline	
Proximal	
Distal	
Body Sections	
Sagittal	
Mid-sagittal	
Transverse	
Frontal	



Cat External

Structure	Function
External Nares	
Pinnae	
Nictitating membrane	
Vibrissae	
Teats or nipples	
Anus	
Scrotum	
Urogenital Aperture	
Teeth	
Incisors 3/3	
Canines 1/1	
Premolars (carnasals) 3/2	
Molars 1/1	

Cat Muscular System

TERMS:

Origin – the “anchored” end of a muscle NOT meant to be moved

Insertion – other end of a muscle attached to the bone meant to be moved

Belly – fleshy central portion of a muscle

Tendon – connective tissue that connects the muscle to a bone

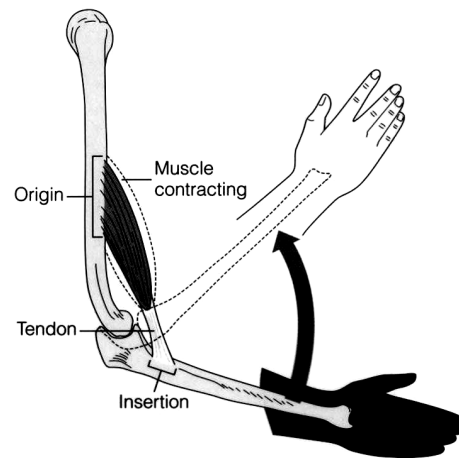
Fascia – fine transparent sheet of connective tissue that binds or separates muscles

Aponeurosis – a fibrous sheet of connective tissue that may surround muscles and connect them to tendons

Linea Alba – longitudinal white line of connective tissue running along the midline of the abdominal surface

Contraction – shortening of muscle fibers

Action – result of muscle contraction



ACTION of MUSCLES:

Action	Resulting Movement
Flexion	
Extension	
Abduction	
Adduction	
Protraction	
Retraction	
Rotation	
Pronation	
Supination	
Circumduction	

Superficial Muscles – Thorax, ventral view

Muscle name	Origin	Insertion	Function / Movement
Pectoantebrachialis			
Pectoralis major			
Pectoralis minor			
Xiphohumeralis			

Book Drawing

My Cat

Superficial Muscles – Abdomen, ventral view

Muscle name	Origin	Insertion	Function / Movement
External oblique			
Internal oblique			
Transverse abdominis			
Rectus abdominis			

Book Drawing

My Cat



Superficial Muscles – Head and Neck, ventral and lateral view

Muscle name	Origin	Insertion	Function / Movement
Sternohyoid			
Sternothyroid			
Sternomastoid			
Cleidomastoid			
Digastric			
Masseter			
Temporalis			

Book Drawing

My Cat



Cat Quiz 1 – External, Abdominal, Neck and Head

Learning Target: 1.3 I can use a model to identify/locate anatomical structures and features of the cat.

	Name	Identification	Function
1. external nares	_____	_____	_____
2. pinnae	_____	_____	_____
3. vibrissae	_____	_____	_____
4. nictitating membrane	_____	_____	_____
5. incisors	_____	_____	_____
6. canines	_____	_____	_____
7. premolars	_____	_____	_____
8. urogenital aperture / scrotum	_____	_____	_____
9. pectoantebrachialis	_____	_____	}
10. pectoralis major	_____	_____	
11. pectoralis minor	_____	_____	
12. xiphohumeralis	_____	_____	
13. external oblique	_____	_____	}
14. internal oblique	_____	_____	
15. transverse abdominis	_____	_____	
16. rectus abdominis	_____	_____	
17. linea alba	_____	_____	
18. sternohyoid	_____	_____	
19. sternothyroid	_____	_____	
20. sternomastoid	_____	_____	
21. cleidomastoid	_____	_____	
22. digastric	_____	_____	
23. masseter	_____	_____	}
24. temporalis	_____	_____	
25. ID veins – external jugular, transverse jugular, anterior facial, posterior facial			(4) _____
26. lymph node, mandibular gland, sublingual gland		(3) _____	ftn _____

Superficial Muscles – upper and lower forelimb, medial view

Muscle name	Origin	Insertion	Function / Movement
Epitrochlearis			
Flexor carpi ulnaris			
Flexor digitorum superficialis			
Flexor digitorum profundus			
Flexor carpi radialis			
Pronator teres			
Brachioradialis			

Book Drawing

My Cat

Superficial Muscles – hindlimb, medial view

Muscle name	Origin	Insertion	Function / Movement
Sartorius			
Gracilis			
Adductor longus			
Adductor femoris (2heads)			
Semimembranosus (2heads)			
Tensor fascia latae			
Vastus lateralis			
Rectus femoris			
Vastus medialis			

Book Drawing

My Cat



Superficial Muscles – Shank, ventral view

Muscle name	Origin	Insertion	Function / Movement
Gastrocnemius			
Plantaris			
Flexor digitorum longus			
Tibialis caudalis			
Tibialis cranialis			

Book Drawing

My Cat



Cat Quiz 2 – Ventral forelimb, hindlimb, shank

Learning Target: 1.3 I can use a model to identify/locate anatomical structures and features of the cat.

	Name	Identification	Function
1.	Epitrochlearis	_____	_____
2.	Flexor carpi ulnaris	_____	_____
3.	Flexor carpi radialis	_____	
4.	Flexor digitorum superficialis	_____	
5.	Flexor digitorum profundus	_____	_____
6.	Pronator teres	_____	_____
7.	Brachioradialis	_____	_____
8.	Sartorius	_____	_____
9.	Gracilis	_____	_____
10.	Tensor fascia latae	_____	_____
11.	Vastus lateralis	_____	
12.	Rectus femoris	_____	
13.	Vastus medialis	_____	
14.	Adductor longus	_____	_____
15.	Adductor femoris	_____	
16.	Semimembranosus	_____	
17.	Gastrocnemius	_____	_____
18.	Plantaris	_____	
19.	Flexor digitorum longus	_____	_____
20.	Tibialis caudalis	_____	_____
21.	Tibialis cranialis	_____	_____
22.	Achilles tendon	_____	_____
23.	Sciatic nerve	_____	_____
24.	Femoral artery/vein	_____	_____

Ventral Cat Quiz

Superficial Muscles – Back/Shoulder, Dorsal view

Muscle name	Origin	Insertion	Function / Movement
Clavotrapezius			
Acromiotrapezius			
Spinotrapezius			
Clavodeltoid (Clavobrachialis)			
Acromiodeltoid			
Spinodeltoid			
Levator scapulae ventralis			
Latissimus dorsi			

Book Drawing

My Cat



Superficial Muscles – Brachium / Antebrachium, Dorsal view

Muscle name	Origin	Insertion	Function / Movement
Biceps brachii			
Brachialis			
Triceps brachii Lateral head Long head Medial head			
Extensor carpi ulnaris			
Extensor digitorum lateralis			
Extensor digitorum communis			
Extensor carpi radialis longus			

Book Drawing

My Cat



Superficial Muscles – Gluteal / Hamstring group, Dorsal view

Muscle name	Origin	Insertion	Function / Movement
Gluteus medius			
Gluteus maximus			
Caudofemoralis			
Biceps femoris			
Semitendinosus			

Book Drawing

My Cat

Cat Quiz 3 – Dorsal view

Learning Target: 1.3 I can use a model to identify/locate anatomical structures and features of the cat.

	<u>Name</u>	<u>Identification</u>	<u>Function</u>
1. Clavotrapezius	_____	_____	_____
2. Acromiotrapezius	_____	_____	_____
3. Spinotrapezius	_____	_____	_____
4. Clavodeltoid (clavobrachialis)	_____	_____	_____
5. Acromiodeltoid	_____	_____	_____
6. Spinodeltoid	_____	_____	_____
7. Levator scapulae ventralis	_____	_____	_____
8. Latissimus dorsi	_____	_____	_____
9. Triceps brachii			
- lateral head	_____	_____	} _____
- long head	_____	_____	
- medial head	_____	_____	
10. Biceps brachii	_____	_____	} _____
11. Brachialis	_____	_____	} _____
12. Extensor carpi ulnaris	_____	_____	} _____
13. Extensor digitorum lateralis	_____	_____	
14. Extensor digitorum communis	_____	_____	
15. Extensor carpi radialis longus	_____	_____	
16. Gluteus medius	_____	_____	} _____
17. Gluteus maximus	_____	_____	
18. Caudofemoralis	_____	_____	_____
19. Bicep femoris	_____	_____	_____
20. Semitendinosus	_____	_____	_____
21. Lumbodorsal fascia / hamstring	_____	_____	_____

Total = /62

Inside Dissection

Structure	Description / Function
Oral cavity:	
Salivary Gland	
Tongue	
Frenulum	
Papillae Filiform Fungiform Foliate Vallate	
Hard Palate	
Soft Palate	
Pharynx: Nasopharynx Oropharynx Laryngopharynx	
Epiglottis	
Glottis	

Respiratory:	
Larynx	
Trachea	
Bronchii	
Lungs	
Diaphragm	
Cardiovascular:	
Heart	
Aorta	
Dorsal aorta	
Anterior vena cava	
Posterior vena cava	

Digestive:	
Esophagus	
Stomach: Cardiac Valve (sphincter) Pyloric Valve (sphincter)	
Small Intestine: Duodenum Jejunum Ileum Mesentery Ileocecal valve	
Large Intestine: Cecum Ascending colon Transverse colon Descending colon Rectum Anus (anal sphincter)	

Pancreas	
Liver	
Gall Bladder	
Reproductive:	
Uterus	
Ovary	
Vagina	
Penis	
Testis	
Spermatic cord	

Urinary:	
Kidney	
Ureter	
Urinary bladder	
Urethra	
Lymphatic:	
Greater Omentum	
Mesenteric lymph node	
Spleen	

Cat Internal Function Practice Test

Directions: Fill in the function and/or description of the given structure or organ from the cat. Each item is worth **2 points** so give a least two different bits of information to get full credit for each question.

1. Uterus
2. O vary
3. Testis
4. Penis
5. Kidney
6. Ureter
7. Urinary Bladder
8. Urethra
9. Esophagus
10. Stomach
11. Cardiac Valve
12. Pyloric Valve
13. Greater Omentum

14. Small Intestine
15. Mesentary
16. Ileocecal Valve
17. Large Intestine
18. Rectum
19. Anal sphincter
20. Pancreas
21. Liver
22. Gall Bladder
23. Spleen
24. Heart
25. Larynx
26. Trachea
27. Bronchii
28. Lungs

29. Diaphragm
30. Salivary gland
31. Lymph Node
32. Tongue
33. Frenulum
34. Papillae
35. Hard Palate
36. Soft Palate
37. Pharynx
38. Epiglottis
39. Glottis
40. Name an internal organ you can live NORMALLY without.
41. What type of lingual papillae do humans NOT have that cats do?
42. Name the tube that is cut in a vasectomy?