

Gross Anatomy Review

For each of the following actions name the muscles involved in the action (MECHANICAL) and the innervations of the muscles involved (ELECTRICAL).

MECHANICAL

ELECTRICAL

TMJ - OPEN: _____

TMJ – CLOSE

NECK – FLEX:

EXT:

LAT. ROTATION:

LAT. BENDING

SHOULDER SHRUG: (SCAPULAR ELEVATION)

SHOULDER ABDUCTION:

SHOULDER ADDUCTION

SHOULDER FLEXION:

SHOULDER EXTENSION:

SHOULDER INT ROTATION:

SHOULDER EXT ROTATION:

ELBOW FLEXION:

ELBOW EXTENSION:

SUPINATION:

PRONATION:

FINGER FLEXION:

FINGER EXTENSION:

BACK EXTENSION/FLEXION:

HIP FLEXION

HIP ROTATION

KNEE FLEXION

KNEE EXTENSION

ANKLE DORSIFLEXION (WALK ON HEELS)

ANKLE PLANTAR FLEXION (WALK ON TOES)

Extremity Anatomy Review

Identify the appropriate nerve(s) for the named muscle. It would be helpful to trace the nerve back to the peripheral nerve and name the nerve root (Myotome).

Upper ext.

Muscles

Nerves/roots:

Flexor digiti minimi

Coracobrachialis

Rhomboid major and minor

Serratus anterior

Extensor carpi ulnaris

Palmaris longus

Teres minor

Deltoid

Infraspinatus

Trapezius

Flexor digitorum profundus

Pronator quadratus

Flexor pollicis longus

Flexor pollicis brevis

Subscapularis

Pectoralis major

Latissimus dorsi

3rd lumbrical

4th dorsal interosseous

Adductor pollicis

Extensor digitorum

Opponens pollicis

Biceps brachii

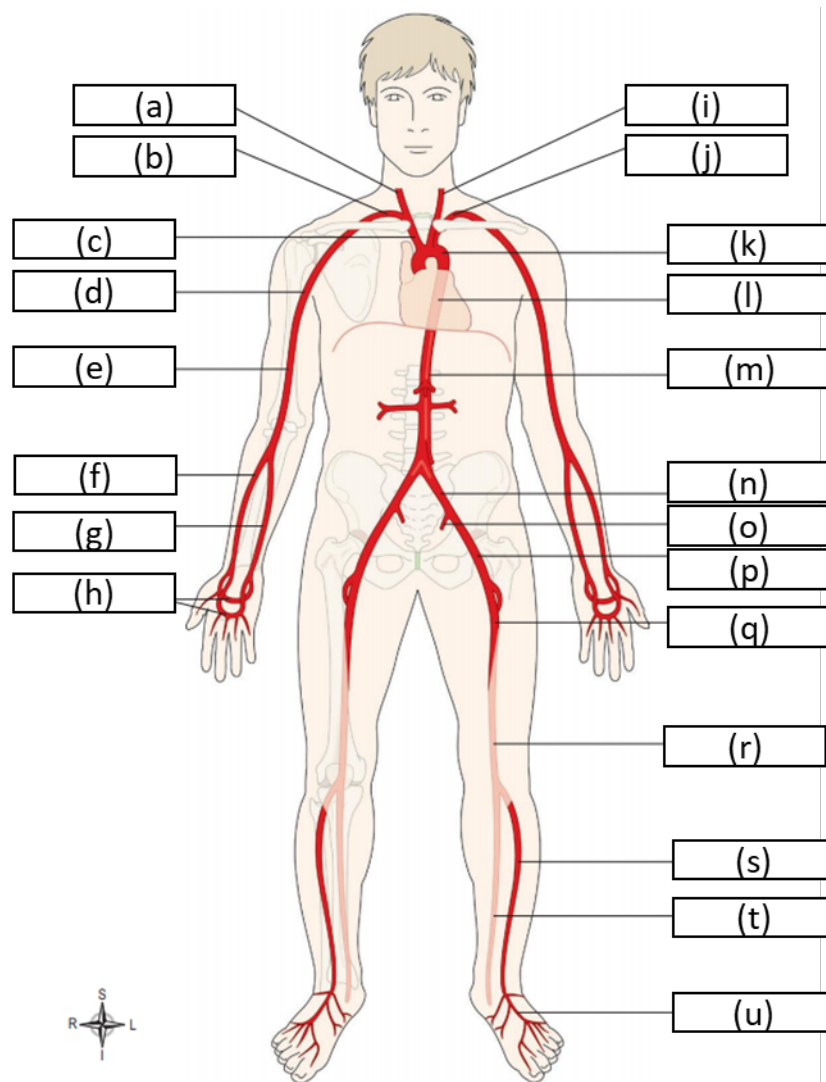
Anconeus

Brachioradialis	_____
Teres major	_____
Abductor pollicis brevis	_____
Pronator teres	_____
Supinator	_____
Lower ext.	
Flexor Digitorum Longus	_____
Gluteus Maximus	_____
Tensor Fascia Latae	_____
Anterior Tibialis	_____
Abductor Hallicus	_____
Vastus Lateralis	_____
Flexor Digitorum Brevis	_____
Gluteus Medius	_____
Vastus Medialis	_____
Gluteus Minimus	_____
Long head of Biceps Femoris	_____
Short head of Biceps Femoris	_____
Rectus Femoris	_____
Extensor Hallicus Longus	_____
Extensor Digitorum Longus	_____
Gastrocnemius	_____
Adductor Longus	_____
Lumbricals	_____
Quadratus Plantae	_____
Abductor Digiti Minimi	_____

Physiology and Thorax, Abdomen, Pelvis Anatomy Review

1. List the phases of the cell cycle.
2. List the mechanisms through which substances are transported across a cell membrane.
3. List the four basic types of tissue.
4. List the types of epithelial tissue in the body.
5. List the types of connective tissue.
6. List the three types of muscle.
7. List the boundaries of the thoracic cavity.
8. List the contents (main organs) of the thoracic cavity.
9. List the boundaries of the abdominal cavity.
10. List the contents (major organs) of the abdominal cavity.
11. List the nine regions of the abdomen.
12. List the boundaries of the pelvic cavity.
13. List the contents of the pelvic cavity.
14. List the types of blood cells.
15. List the four chambers of the heart and list the valves separating the two chambers on each side.
16. What is the major difference of blood found in the left and the right sides of the heart.
17. List the pathway of a red blood cell entering the right atrium in a complete circulation through the lungs and the body and back to the right atrium.
18. List the main structural relations of the heart.

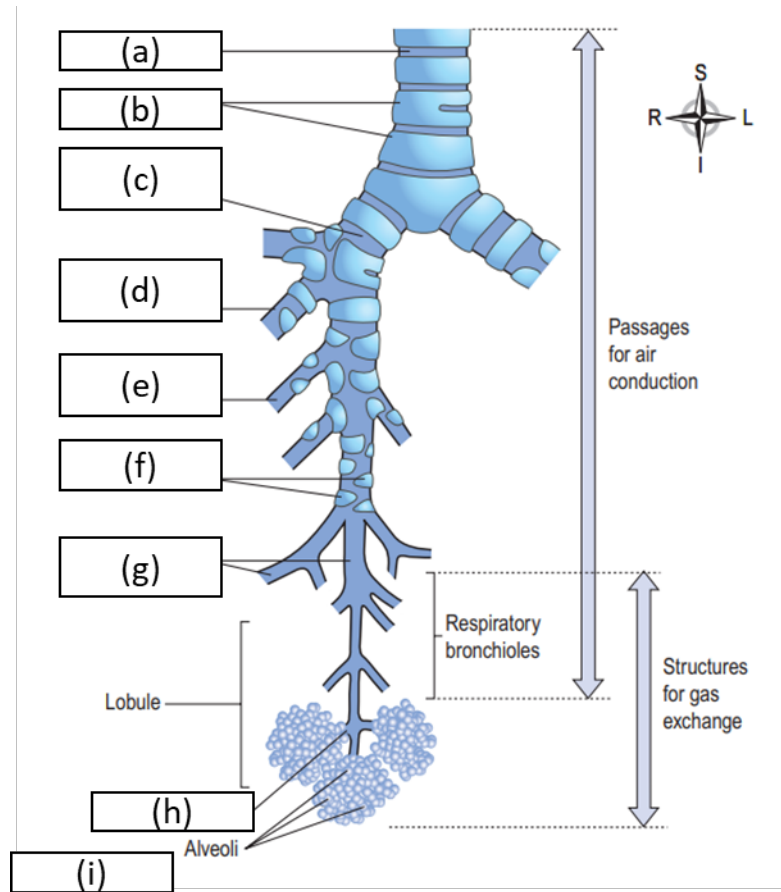
19. Fill in the blanks a → u.



20. Describe the Ohm's law of fluid dynamics (from Physics) applying it to blood flow.

21. Write the equation of the Poiseuille's law (physics / dynamics).

22. Fill in the blanks with names of the lower airway structures.



23. List the muscles of inspiration.
24. List the muscles of expiration.
25. Define compliance.
26. List the structures associated with the trachea.
27. List the main nutrients.
28. List the associations of the stomach.
29. List the organs of the gastrointestinal tract from mouth to anus in order (including the accessory organs)
30. List the organs associated with the liver.
31. List the three pathways in which glucose is broken down to produce ATP.
32. List the organs associated with the right kidney.
33. List the organs associated with the left kidney.
34. List the components of a nephron.
35. List the hormones secreted by the hypothalamus
36. List the hormones secreted by the anterior pituitary
37. List the hormones secreted by the posterior pituitary
38. List the 12 cranial nerves