

Muscle OIA questions by Shannon Domarski
Students: **Please address any queries to the author.**
ANSWERS ARE LISTED AT THE END.

1. Which of the following infrahyoid muscles attaches to the hyoid bone?
 - a. Anterior scalene
 - b. Thyrohyoid
 - c. Stylohyoid
 - d. A and B
 - e. B and C
2. Which of the following muscles does NOT originate on the scapula?
 - a. Levator scapula
 - b. Teres major
 - c. Supraspinatus
 - d. A and B
 - e. None of the above
3. Which of the following muscles does NOT insert on the humerus?
 - a. Teres major
 - b. Brachialis
 - c. Infraspinatus
 - d. A and B
 - e. None of the above
4. Which of the following muscles inserts on the 5th metacarpal?
 - a. Flexor ulnaris
 - b. Abductor pollicis longus
 - c. Extensor carpi ulnaris
 - d. A and C
 - e. B and C
5. Which of the following groups of muscles does NOT have at least ONE action in common?
 - a. Iliopsoas, tensor fasciae latae, rectus femoris
 - b. Sartorius, adductor magnus, rectus femoris
 - c. vastus intermedius, gracilis, sartorius
 - d. tensor fasciae latae, adductor longus, gracilis
6. Which of the following groups of muscles does NOT have a common insertion area?
 - a. Extensor digiti minimi, extensor digitorum, flexor digitorum profundus
 - b. Opponens pollicis, flexor pollicis brevis, extensor pollicis brevis
 - c. Flexor carpi radialis, extensor carpi radialis brevis, extensor carpi radialis longus
 - d. Extensor digitorum, flexor digitorum profundus, extensor indicis
 - e. None of the above
7. Which of the following does not originate from a cervical vertebrae?
 - a. Rhomboid major
 - b. Splenius capitis
 - c. Levator scapulae

- d. Trapezius
8. Which of the following does NOT originate from a spinous process?
- a. Rhomboid major
 - b. Levator scapula
 - c. B and C
 - d. None of the above
9. Which of the following does NOT insert on the greater tubercle of the humerus?
- a. Pectoralis major
 - b. Infraspinatus
 - c. Subscapularis
 - d. Teres Minor
 - e. None of the above
10. Which of the following rotates the arm laterally?
- a. Deltoid
 - b. Infraspinatus
 - c. Subscapularis
 - d. A and B
 - e. All of the above
11. Which of the following does NOT rotate the thigh laterally?
- a. Gluteus medius
 - b. Piriformis
 - c. Gluteus maximus
 - d. Quadratus femoris
12. Which of the following rotates the leg medially?
- a. Semimembranosus, semitendinosus
 - b. Biceps femoris
 - c. Gluteus minimis, gluteus medius
 - d. a and b
 - e. a and c
13. Which of the following does NOT originate on the humerus
- a. Latissimus dorsi
 - b. Pronator teres
 - c. Flexor digitorum profundus
 - d. A and C
 - e. A and B
14. Which of the following rotates the thigh laterally?
- a. Adductor longus
 - b. Adductor brevis
 - c. Adductor magnus
 - d. Pectineus
 - e. Tensor fasciae latae

15. Which of the following does not plantar flex the foot?
 - a. Fibularis longus
 - b. Fibularis brevis
 - c. Tibialis posterior
 - d. Fibularis tertius
 - e. None of the above
16. Which of the following groups are NOT all located in the anterior compartment of the leg?
 - a. Tibialis anterior, extensor digitorum longus, fibularis brevis
 - b. Extensor hallucis longus, fibularis tertius, tibialis posterior
 - c. Extensor digitorum, fibularis tertius, tibialis anterior
 - d. Flexor digitorum longus, flexor hallucis longus, tibialis anterior
 - e. All of the above
17. Which of the following muscles is found in the posterior compartment of the leg?
 - a. Biceps femoris
 - b. Semitendinosus
 - c. semimembranosus
 - d. All of the above
 - e. None of the above
18. Which of the following is not a muscle of facial expression?
 - a. Platysma
 - b. Frontalis
 - c. Temporalis
 - d. Zygomaticus minor
 - e. None of the above
19. Which of the following suprahyoid muscles has more than one belly on a single side of the body?
 - a. Middle scalene
 - b. Omohyoid
 - c. Digastric
 - d. Sternocleidomastoid
 - e. B and C
20. Which of the following does not originate on the scapula?
 - a. Biceps brachii long head
 - b. Biceps brachii short head
 - c. Coracobrachialis
 - d. Brachialis
 - e. None of the above
21. Which of the following actions is common to all muscles of the anterior arm?
 - a. Supinates forearm
 - b. Flexes forearm at elbow
 - c. Extends forearm at elbow
 - d. A and B
 - e. None of the above

22. Which of the following actions is common to all muscles of the quadriceps femoris (“heads” deleted)?
- Stabilizes knee
 - Extends leg at knee
 - Extends leg at hip
 - A and C
 - None of the above
23. Which of the following actions is common to all fibularis (peroneus) muscles of the leg?
- Everts foot
 - Plantar flexes foot at ankle
 - Dorsiflexes foot at ankle
 - A and B
 - None of the above
24. Which of the following actions is common to all muscles of the posterior compartment of the leg?
- Inverts foot
 - Plantar flexes foot at ankle
 - Dorsiflexes foot at ankle
 - A and B
 - None of the above
25. Which of the following muscles of the anterior compartment of the leg originates at the interosseous membrane?
- Tibialis anterior
 - Extensor hallucis longus
 - Extensor digitorum
 - A and B
 - All of the above
26. What is the common action of all the muscles that wrap around either the medial or lateral malleolus of the leg?
- Inverts foot
 - Dorsiflexes foot at ankle
 - Plantar flexes foot at ankle
 - Everts foot
 - None of the above
27. Which three muscles of the intrinsic back insert on the skull?
- Semispinalis capitis, spinalis, longissimus
 - Splenius capitis, levator scapulae, splenius capitis
 - Longissimus, splenius capitis, semispinalis capitis
 - Trapezius, longissimus, splenius capitis
 - Longissimus, iliocostalis, spinalis

28. Which thigh adductor muscle does NOT originate on the inferior ramus of pubis?
- a. Gracilis
 - b. Tensor fasciae latae
 - c. Adductor longus
 - d. A and B
 - e. B and C
29. Which thigh adductor does NOT insert on the linea aspera of the femur?
- a. Pectineus
 - b. Gracilis
 - c. Adductor longus
 - d. A and B
 - e. B and C
30. Which of the following is NOT a thoracic wall muscle?
- a. Pectoralis major
 - b. Pectoralis minor
 - c. Serratus anterior
 - d. A and C
 - e. None of the above

ANSWERS

- 1. e
- 2. a
- 3. b
- 4. d
- 5. c
- 6. No answer given
- 7. a
- 8. b
- 9. c
- 10. d
- 11. a
- 12. e
- 13. d
- 14. c
- 15. d
- 16. e
- 17. e
- 18. c
- 19. c
- 20. d
- 21. e
- 22. b
- 23. a
- 24. b
- 25. e

- 26. c
- 27. c
- 28. c
- 29. b
- 30. a