

GNO1 Anatomy and Physiology I with Lab Version 1

Section: Science & Statistics • Total Questions: 10 • Format: Verified Q&A

1. Which muscle is the most active when raising and lowering the pelvic floor?

- (A) Levator ani
 - (B) Ischiocavernosus
 - (C) Compressor urethrae
 - (D) External urethral sphincter
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2. What is the order that signals follow during a negative feedback response in the human body?

- (A) Sensor -> control -> stimulus -> effector
 - (B) Stimulus -> sensor -> control -> effector
 - (C) Stimulus -> control -> sensor -> effector
 - (D) Sensor -> stimulus -> control -> effector
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3. Which structure allows electrical communication between cardiac muscle cells?

- (A) Gap junction
 - (B) Desmosome
 - (C) Sarcoplasmic reticulum
 - (D) Myofibril
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4. Which example demonstrates positive feedback?

- (A) Lowering blood sugar levels after a sweet snack
 - (B) Shivering when the body is cold
 - (C) Retaining water after heavy exercise
 - (D) Increased milk production by a feeding newborn
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5. Which part of the hair is not anchored to the follicle and is exposed at the skin's surface?

- (A) Follicle
 - (B) Root
 - (C) Matrix
 - (D) Shaft
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6. Which hormones of the anterior pituitary are collectively referred to as tropic hormones?

- (A) ACTH, LH, GH, and TSH
 - (B) Estrogen, ACTH, LH, and FSH
 - (C) TSH, FSH, ACTH, and LH
 - (D) TSH, LH, vasopressin, and FSH
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7. Which muscle shown below functions to hold the internal organs in place?

- (A) Internal oblique
 - (B) External oblique
 - (C) Transverse abdominis
 - (D) Rectus abdominis
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8. What is the role of a sensor in a negative feedback loop?

- (A) To act as a set point to control temperature
 - (B) To reverse any physiological response against homeostasis
 - (C) To keep the metabolism within a normal range
 - (D) To monitor the physiological response
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9. Which landmark of the temporal bone shown in the following image is a zigzag-shaped tunnel that provides passage through the base of the skull for one of the major arteries that supplies the brain?

- (A) Styloid process
 - (B) External acoustic meatus
 - (C) Zygomatic process
 - (D) Mastoid process
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10. Which bone in the following image is part of the axial skeleton?

- (A) Scapula
- (B) Sternum
- (C) Humerus
- (D) Femur