

Multiple-choice test

Chapter 13: Coordination and response

Click on the correct answer to each question.

- 1 Where is the cell body of a sensory neurone found?
 - A in a sense organ
 - B in a small swelling in a spinal nerve
 - C in the brain
 - D in the spinal cord
- 2 What is the sequence along which information travels during a reflex action?
 - A receptor, sensory neurone, relay neurone, motor neurone, effector
 - B effector, motor neurone, sensory neurone, relay neurone, receptor
 - C sensory neurone, receptor, relay neurone, effector, motor neurone
 - D motor neurone, relay neurone, effector, receptor, sensory neurone
- 3 Which part of the eye does most of the bending of light rays as they enter it?
 - A cornea
 - B iris
 - C lens
 - D retina
- 4 Which part of the eye contains cells that are receptive to light?
 - A cornea
 - B lens
 - C retina
 - D vitreous humour

- 5 What type of glands secrete hormones?
- A endocrine glands
 - B salivary glands
 - C lymph glands
 - D tear glands
- 6 Which is an effect of the hormone adrenaline?
- A increases the flow of blood to the skin
 - B makes the liver take up glucose from the blood
 - C speeds up the heart rate
 - D speeds up the rate of digestion in the alimentary canal
- 7 What is the name of the response of a plant shoot to gravity?
- A negative gravitropism
 - B positive gravitropism
 - C negative phototropism
 - D positive phototropism
- S** 8 What happens when the eye focuses on a near object?
- A ciliary muscles contract, lens gets fatter
 - B ciliary muscles contract, lens gets thinner
 - C ciliary muscles relax, lens gets fatter
 - D ciliary muscles relax, lens gets thinner
- 9 Which statement about rods and cones is correct?
- A Rods produce an image in black and white in dim light, while cones see in colour in bright light.
 - B Rods produce an image in black and white in bright light, while cones see in colour in dim light.
 - C Rods produce an image in colour in dim light, while cones see in black and white in bright light.
 - D Rods produce an image in colour in bright light, while cones see in black and white in dim light.
- 10 How does auxin make plant shoots grow towards the light?
- A It accumulates on the bright side of the shoot and increases the rate of growth.
 - B It accumulates on the bright side of the shoot and decreases the rate of growth.
 - C It accumulates on the shady side of the shoot and increases the rate of growth.
 - D It accumulates on the shady side of the shoot and decreases the rate of growth.