

Workbook



Table of Contents

The animal body: basic form and function	2
The animal body: basic form and function.....	2

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Questions

- 1) Which type of animal maintains a constant internal body temperature?
 - a. Endotherm
 - b. Ectotherm
 - c. Coelomate
 - d. Mesoderm

- 2) The symmetry found in animals that move swiftly is _____.
 - a. radial
 - b. bilateral
 - c. sequential
 - d. interrupted

- 3) What term describes the condition of a desert mouse that lowers its metabolic rate, and “sleeps” during the hot day?
 - a. Turgid
 - b. Hibernation
 - c. Estivation
 - d. Normal sleep pattern

- 4) A plane that divides an animal into equal right and left portions is _____.
 - a. diagonal
 - b. midsagittal
 - c. coronal
 - d. transverse

- 5) The pleural cavity is a part of which cavity?
 - a. Dorsal cavity
 - b. Thoracic cavity
 - c. Abdominal cavity
 - d. Pericardial cavity

Introduction to Biology

- 6) Which of the following statements about types of epithelial cells is false?
- Simple columnar epithelial cells line the tissue of the lung.
 - Simple cuboidal epithelial cells are involved in the filtering of blood in the kidney.
 - Pseudostratified columnar epithelia occur in a single layer, but the arrangement of nuclei makes it appear that more than one layer is present.
 - Transitional epithelia change in thickness depending on how full the bladder is.
- 7) Which type of epithelial cell is best adapted to aid diffusion?
- Squamous
 - Cuboidal
 - Columnar
 - Transitional
- 8) Which type of epithelial cell is found in glands?
- Squamous
 - Cuboidal
 - Columnar
 - Transitional
- 9) Which type of epithelial cell is found in the urinary bladder?
- Squamous
 - Cuboidal
 - Columnar
 - Transitional
- 10) Which type of connective tissue has the most fibers?
- Loose connective tissue
 - Fibrous connective tissue
 - Cartilage
 - Bone
- 11) Which type of connective tissue has a mineralized different matrix?
- Loose connective tissue
 - Fibrous connective tissue
 - Cartilage
 - Bone

Introduction to Biology

- 12) The cell found in bone that breaks it down is called an _____.
- osteoblast
 - osteocyte
 - osteoclast
 - osteon
- 13) The cell found in bone that makes the bone is called an _____.
- osteoblast
 - osteocyte
 - osteoclast
 - osteon
- 14) Plasma is the _____.
- fibers in blood
 - matrix of blood
 - cell that phagocytizes bacteria
 - cell fragment found in the tissue
- 15) The type of muscle cell under voluntary control is the _____.
- smooth muscle
 - skeletal muscle
 - cardiac muscle
 - visceral muscle
- 16) The part of a neuron that contains the nucleus is the?
- Cell body
 - Dendrite
 - Axon
 - Glial
- 17) When faced with a sudden drop in environmental temperature, an endothermic animal will:
- experience a drop in its body temperature.
 - wait to see if it goes lower.
 - increase muscle activity to generate heat.
 - add fur or fat to increase insulation.

Introduction to Biology

18) Which is an example of negative feedback?

- a. Lowering of blood glucose after a meal.
- b. Blood clotting after an injury.
- c. Lactation during nursing.
- d. Uterine contractions during labor.

19) Which method of heat exchange occurs during direct contact between the source and animal?

- a. Radiation
- b. Evaporation
- c. Convection
- d. Conduction

20) The body's thermostat is located in the _____.

- a. homeostatic receptor
- b. hypothalamus
- c. medulla
- d. vasodilation center

Answer Key

- 1) a
- 2) b
- 3) c
- 4) b
- 5) b
- 6) a
- 7) c
- 8) b
- 9) d
- 10) b
- 11) d
- 12) c
- 13) a
- 14) b
- 15) b
- 16) b
- 17) c
- 18) a
- 19) d
- 20) b