



Name _____ Class _____ Date _____

1

In the grasshopper and earthworm, the **efficiency of food absorption** is **increased** by the presence of

- A a large stomach, which secretes hormones
- B infolds, which add surface area to the digestive tube
- C the pancreas, which secretes digestive enzymes into the intestine
- D the liver, which absorbs excess sugar and stores it as glycogen

2

The **hydra** and the **amoeba** are **similar** in that both organisms

- A eliminate ammonia and carbon dioxide through the cell membrane
- B move by means of pseudopods
- C surround prey with tentacles
- D carry out both intracellular and extracellular digestion

3

The **tracheal tubes** of grasshoppers, the **moist skin** of earthworms, and the **alveoli** of humans are structural adaptations that aid in

- A autotrophic nutrition

4

Which statement regarding **respiration** is **correct**?

- A Respiration in autotrophic organisms occurs only during the day.
- B Fungi and monerans carry out aerobic

5



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7

- B offspring were produced from different combinations of genes
- C parent fish had not been exposed to mutagenic agents
- D parent fish had not reproduced sexually

- A compete successfully with all birds
- B make its own food
- C hide from predators
- D avoid toxic waste materials

9

Which organism possesses a **single opening** which functions as a **mouth** for the ingestion of food and also as an **anus** for the elimination of undigested materials?

- A human
- B grasshopper
- C Hydra
- D earthworm



10

In sexual reproduction, the **2n** chromosome number is **restored** as a direct result of

- A fertilization
- B gamete formation
- C cleavage
- D meiosis



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(B)

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(A)

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(D)

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(C)



(D)

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(C)

- 8
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(C)

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(A)