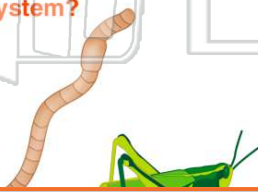




Name _____ Class _____ Date _____

1 In grasshoppers and humans, **locomotion** is **accomplished** by means of

- A the interaction of muscles and jointed appendages
- B jointed chitinous appendages
- C a cartilaginous endoskeleton
- D the interaction of muscles and an exoskeleton



3 Which organisms contain an **open transport system**?

- A grasshoppers
- B fish
- C earthworms
- D fish

2 Which organisms possess a **central nervous system**?

- A earthworms and grasshoppers
- B hydra and earthworms
- C hydra and grasshoppers
- D protozoa and humans



4 **External fertilization** is most common among organisms that live in

- A deserts
- B oceans
- C fields
- D forests



5



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7

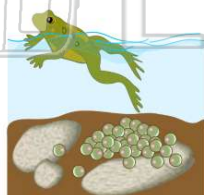
- B earthworm — nephridia
- C grasshopper — tracheal tubes
- D human — skin

- C active transport into their excretory tubules
- D active transport into their respiratory tubes

9

Which animals **produce eggs** that develop in a **freshwater environment**?

- A fish, only
- B amphibians, only
- C fish and amphibians
- D amphibians and reptiles



10

Which species is most likely to **survive changing** environmental conditions?

- A a species that has few variations
- B a species that reproduces sexually
- C a species that competes with similar species
- D a species that has a limited life span



ANSWER KEY

In grasshoppers and humans, **locomotion** is **accomplished** by means of

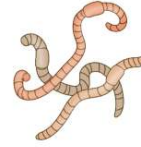
- A** the interaction of muscles and jointed appendages
- B** jointed chitinous appendages
- C** a cartilaginous endoskeleton
- D** the interaction of muscles and an exoskeleton

(a)

Which organisms possess a **central nervous system**?

- A** earthworms and grasshoppers
- B** hydra and earthworms
- C** hydra and grasshoppers
- D** protozoa and humans

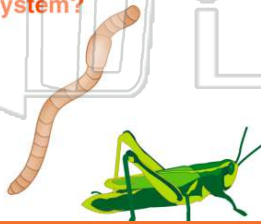
(a)



Which organisms contain an **open transport system**?

- A** grasshoppers
- B** fish
- C** earthworms
- D** fish

(a)



External fertilization is most common among organisms that live in

- A** deserts
- B** oceans
- C** fields
- D** forests

(b)



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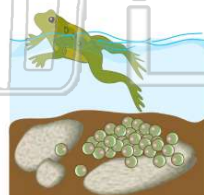
- C** grasshopper — tracheal tubes
- D** human — skin

- tubules
- D** active transport into their respiratory tubes

Which animals **produce eggs** that develop in a **freshwater environment**?

- A** fish, only
- B** amphibians, only
- C** fish and amphibians
- D** amphibians and reptiles

(c)



Which species is most likely to **survive changing** environmental conditions?

- A** a species that has few variations
- B** a species that reproduces sexually
- C** a species that competes with similar species
- D** a species that has a limited life span

(b)