



Name _____ Class _____ Date _____

1 In the chart below, which lettered section contains **incorrect** information?

Comparison of Circulation

	Grasshopper	Earthworm
A 1		
B 2		
C 3	(1) open system	closed system
D 4	tubular heart pumps blood	(2) aortic arches pump blood
	(3) hemoglobin transports oxygen	(4) hemoglobin transports oxygen

2 Earthworms **move** through soil by means of the **interaction of muscles** and

- A bones of an endoskeleton
- B bristle-like setae
- C appendages of an exoskeleton
- D hair-like cilia



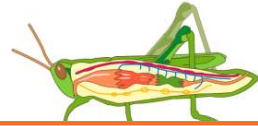
3 In earthworms, an **inability** to **excrete** some **nitrogenous wastes** would indicate a malfunction of the

- A setae
- B nephridia
- C Malpighian tubules
- D



4 Which organism has a **nervous system** that includes a dorsal brain, ventral nerve cord, ganglia, peripheral nerves, eyes, and tympana?

- A human
- B grasshopper
- C earthworm



5



PREVIEW

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7

- B effectors
- C stimuli
- D responses



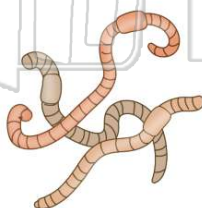
- C chordate
- D jellyfish



9

Which organism has a **transport system** most similar to that of the earthworm?

- A geranium
- B human
- C hydra
- D amoeba



10

If two different bird species in the **same habitat** require the **same type of nesting site**, both species will most likely

- A interbreed and share the nesting sites
- B compete for the nesting sites
- C change their nesting site requirement
- D use the nests of other bird species



ANSWER KEY

In the chart below, which lettered section contains **incorrect** information?

- A 1
- B 2
- C 3
- D 4

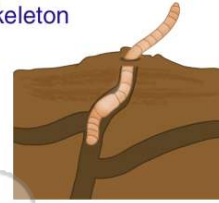
Comparison of Circulation

Grasshopper	Earthworm
(1) open system	closed system
tubular heart pumps blood	(2) aortic arches pump blood
(3) hemoglobin transports oxygen	(4) hemoglobin transports oxygen

(c)

Earthworms **move** through soil by means of the **interaction of muscles** and

- A bones of an endoskeleton
- B bristle-like setae
- C appendages of an exoskeleton
- D hair-like cilia



(b)

In earthworms, an **inability** to **excrete** some **nitrogenous wastes** would indicate a malfunction of the

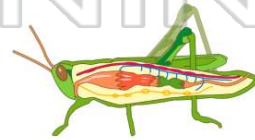
- A setae
- B nephridia
- C Malpighian tubules
- D contractile vacuoles



(b)

Which organism has a **nervous system** that includes a dorsal brain, ventral nerve cord, ganglia, peripheral nerves, eyes, and tympana?

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



(b)



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- C stimuli
- D responses

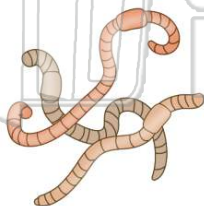


- D jellyfish



Which organism has a **transport system** most similar to that of the earthworm?

- A geranium
- B human
- C hydra
- D amoeba



(b)

If two different bird species in the **same habitat** require the **same type of nesting site**, both species will most likely

- A interbreed and share the nesting sites
- B compete for the nesting sites
- C change their nesting site requirement
- D use the nests of other bird species

(b)