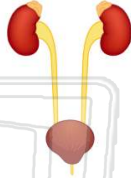




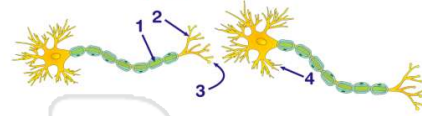
Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 An animal maintains its fluid balance by regulating the **gain and loss** of water. This maintenance is an example of

- A homeostasis
- B hydrolysis
- C cyclosis
- D peristalsis



2 Which letter in the diagram below indicates a **synapse**?



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

3 A **change** that initiates an **electrochemical message** along a **neuron** is known as

- A an effector
- B a stimulus



4 A characteristic of **fertilization** in most terrestrial vertebrates is the

- A fusion of gametes in moist internal environment
- B fusion of gametes in a



5



## PREVIEW

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7

- B Holes in the ozone layer vary in size depending on the season.
- C Acids in rain bleach the brown feathers of the birds.
- D Mutations occur only during certain seasons.

- C limited genetic variability in the species
- D fewer unfavorable mutations in the species

9

Which action illustrates an increased **understanding and concern by humans** for ecological interrelationships?

- A importing organisms in order to stabilize existing ecosystems
- B eliminating pollution standards for industries that promote technology
- C removing natural resources at a rate equal to the needs of the population
- D implementing laws to regulate the number of animals hunted and killed each year

10

The **concentration** of the pesticide **DDT** in individual organisms at level D is higher than the concentration in individuals at level A because **DDT** is



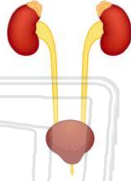
- A synthesized by organisms at level D
- B excreted by organisms at level A as toxic waste
- C produced by organisms at level C which are eaten by organisms at level D
- D passed through levels A, B, and C to organisms at level D



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

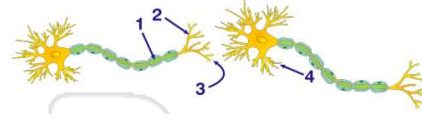
1 An animal maintains its fluid balance by regulating the **gain and loss** of water. This maintenance is an example of

- A homeostasis
- B hydrolysis
- C cyclosis
- D peristalsis



(A)

2 Which letter in the diagram below indicates a **synapse**?



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

(C)

3 A **change** that initiates an **electrochemical message** along a **neuron** is known as

- A an effector
- B a stimulus



(B)

4 A characteristic of **fertilization** in most terrestrial vertebrates is the

- A fusion of gametes in moist internal environment
- B fusion of gametes in a



(A)

5



(C)

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- B Holes in the ozone layer vary in size depending on the season.
- C Acids in rain bleach the brown feathers of the birds.
- D Mutations occur only during certain seasons.

- C limited genetic variability in the species
- D fewer unfavorable mutations in the species

(C)

9

Which action illustrates an increased **understanding and concern by humans** for ecological interrelationships?

- A importing organisms in order to stabilize existing ecosystems
- B eliminating pollution standards for industries that promote technology
- C removing natural resources at a rate equal to the needs of the population
- D implementing laws to regulate the number of animals hunted and killed each year

(D)

10

The **concentration** of the pesticide **DDT** in individual organisms at level D is higher than the concentration in individuals at level A because **DDT** is



- A synthesized by organisms at level D
- B excreted by organisms at level A as toxic waste
- C produced by organisms at level C which are eaten by organisms at level D
- D passed through levels A, B, and C to organisms at level D

(D)