



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

- 1 One **arctic food chain** consists of polar bears, fish, seaweed, and seals. Which **sequence** demonstrates the **correct flow of energy** between these organisms?
- A seals → seaweed → fish → polar bears
  - B fish → seaweed → polar bears → seals
  - C seaweed → fish → seals → polar bears
  - D polar bears → fish → seals → seaweed

- 2 Which **factor** could be the **cause** of the **other three** in an animal species?
- A the inability of the species to adapt to changes
  - B a lack of genetic variability in the species
  - C extinction of the species
  - D a decrease in the survival rate of the species

- 3 Which **factor** contributed **most** to the **extinction** of many species?
- A changes in the environment
  - B lethal mutations



- 4 Most **mammals** have **adaptations** for
- A internal fertilization and internal development of the fetus
  - B internal fertilization and external development of the fetus



## PREVIEW

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- 8
- B The rattlesnake population would start to increase.
  - C The prairie dog population would increase rapidly.
  - D The prairie dog population would begin to prey on the rattlesnakes.



- B daily fluctuations in temperature
- C size of predators
- D average annual rainfall

- 9 Which group contains terms that are all directly associated with one of the **organisms** shown in the diagram below?
- 
- A herbivore, prey, autotroph, host
  - B predator, scavenger, decomposer, consumer
  - C carnivore, predator, heterotroph, multicellular
  - D producer, parasite, fungus, fish

- 10 **Imported animal species** often **disrupt** an **ecosystem** because in their new environment, they will most likely
- A eliminate the genetic variation of the autotrophs
  - B increase the number of mutations in the herbivores
  - C have no natural enemies
  - D be unable to produce offspring



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A

4 Most **mammals** have **adaptations** for

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A

5



C

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