

Introduction to animals

BIO

Name Class Date



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



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
- a decrease in the survival rate of the species



Which factor contributed most to the extinction of many species?

- A changes in the environment
- **B** lethal mutations



Most mammals have adaptations for

- internal fertilization and internal development of the fetus
- **B** internal fertilization and external development of the fetus





PREVIEW



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

- uany nucluations in temperature
- C size of predators
- D average annual rainfall



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
- carnivore, predator, heterotroph, multicellular
- producer, parasite, fungus, fish



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



Introduction to animals - Answer Key

BIO

Class _____ Name Date One arctic food chain consists of polar bears, Which factor could be the cause of the other fish, seaweed, and seals. Which sequence three in an animal species? demonstrates the correct flow of energy between these organisms? A the inability of the species to adapt to changes B A seals \rightarrow seaweed \rightarrow fish \rightarrow polar bears B a lack of genetic variability in the species B fish → seaweed → polar bears → seals c extinction of the species C seaweed → fish → seals → polar bears a decrease in the survival rate of the D polar bears → fish → seals → seaweed species Most mammals have adaptations for Which factor contributed most to the 3 extinction of many species? A internal fertilization and internal development of the fetus A changes in the environment internal fertilization and external **B** lethal mutations development of the fetus 5 C **PREVIEW** Please Sign In or Sign Up to download the printable version of this worksheet uany nuctuations in temperature B The rattlesnake population C size of predators would start to increase. The prairie dog population would increase rapidly. D average annual rainfall The prairie dog population would begin to prey on the rattlesnakes. Which group contains terms that are all directly Imported animal species often disrupt an 9 10 associated with one of the organisms shown ecosystem because in their new in the diagram below? environment, they will most likely A eliminate the genetic variation of the C autotrophs A herbivore, prey, autotroph, host B increase the number of mutations in the B predator, scavenger, decomposer, consumer herbivores

C have no natural enemies

D be unable to produce offspring

carnivore, predator, heterotroph, multicellular

D producer, parasite, fungus, fish