

Ecology I



Name Class Date



Which energy transfer is **least likely** to be found in nature?

- A consumer to consumer
- B producer to consumer
- **c** host to parasite
- D predator to prey



Which ecosystem has a better chance of **surviving** when environmental conditions **change** over a **long period** of time?

- A one with a great deal of genetic diversity
- B one with plants and animals but no bacteria
- c one with animals and bacteria but no plants
- **D** one with little or no genetic diversity



By causing atmospheric changes through activities such as polluting and careless harvesting, humans have

- A caused the destruction of habitats
- offected alabel stability in a positive w



The diagram below illustrates the **relationships** between organisms in an ecosystem.

Which **change** would Raccoons

most likely reduce the population size of the carnivorous fish?







PREVIEW



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- a preuator-prey association
- C a food chain
- D a food web

- of hiodivorcity
- of biodiversity
- C biotic factors decrease
- D finite resources decrease



Both a deer and a tree react to changes in their external surroundings, helping them to maintain a constant internal environment. This statement describes

- **A** predation
- B homeostasis
- c antibiotic resistance
- D autotrophic nutrition



Car exhaust has been blamed for increasing the amount of carbon dioxide in the air. Some scientists believe this additional carbon dioxide in the air may cause

- A global warming
- **B** increased biodiversity
- C habitat preservation
- D ozone destruction





Ecology I - Answer Key

BIO

Name Class Date Which energy transfer is least likely Which ecosystem has a better chance of to be found in nature? surviving when environmental conditions change over a long period of time? A consumer to consumer A one with a great deal of genetic diversity B producer to consumer D B one with plants and animals but C host to parasite no bacteria **D** predator to prey one with animals and bacteria but no plants one with little or no genetic diversity The diagram below illustrates the relationships 3 By causing atmospheric changes through between organisms in an ecosystem. activities such as polluting and careless Which change would most likely reduce the harvesting, humans have population size of the Carnivorous carnivorous fish? A caused the destruction of habitats 5 C **PREVIEW** Please Sign In or Sign Up to download the printable version of this worksheet B a prevator-prey association of biodiversity C a food chain C biotic factors decrease D a food web D finite resources decrease Both a deer and a tree react to changes in Car exhaust has been blamed for increasing their external surroundings, helping them to the amount of carbon dioxide in the air. Some maintain a constant internal environment. scientists believe this additional carbon dioxide in the air may cause This statement describes A global warming A predation **B** homeostasis **B** increased biodiversity c antibiotic resistance C habitat preservation autotrophic nutrition D ozone destruction