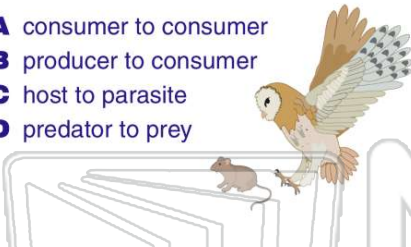




Name _____ Class _____ Date _____

1 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



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

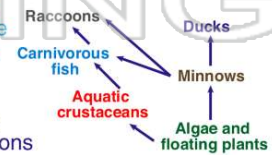
- A caused the destruction of habitats
- B affected global stability in a positive way
- C established equilibrium in ecosystems

2 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

4 The diagram below illustrates the **relationships** between organisms in an ecosystem. Which **change** would most likely **reduce** the population size of the carnivorous fish?

- A an increase in the autotroph populations
- B a decrease in the duck population



5



PREVIEW

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7

- B a predator-prey association
- C a food chain
- D a food web

- B it has a high level of biodiversity
- C biotic factors decrease
- D finite resources decrease



9 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



10 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





ANSWER KEY

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



(d)

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

(a)

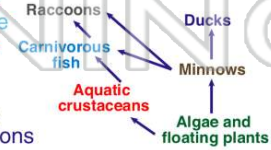
By causing atmospheric changes through activities such as **polluting** and **careless harvesting**, humans have

- A caused the destruction of habitats
- B affected global stability in a positive way
- C established equilibrium in ecosystems
- D replaced nonrenewable resources

(a)

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

Which **change** would most likely **reduce** the population size of the carnivorous fish?



- A an increase in the autotroph populations
- B a decrease in the duck population
- C an increase in the raccoon population

(c)



PREVIEW

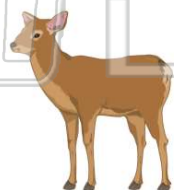
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- C a food chain
- D a food web

- 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



(b)

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



(a)