

Ecology I



Name Class Date



Which **group of organisms** is an example of a **population**?

- A leopard frogs in a stream
- **B** birds in Colorado
- c reptiles in the Sahara Desert
- D trees in a forest



Which statement concerning an **ecosystem** is correct?

- A It can exist with or without a constant source of energy input.
- **B** It must contain consumers but can exist without producers.
- It involves interactions between biotic and abiotic factors.
- It can exist on land, but it cannot exist in lakes, rivers, or oceans.



Which term refers to the **behavior** of two species attempting to use the **same** living space, food source, and water source?

A saprophytic





Acacia trees provide food for a species of ant that lives on them. The ants defend the acacia tree from grasshoppers and beetles. This relationship between the ant and acacia tree is best described as





PREVIEW



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- C converted to ammonia by bacteria of decay
- combined with carbon dioxide to form protein

- previously covered by the pond.
- Grasses will most likely grow on the bottom of the dried-up pond.
- The pond will fill in due to seasonal dieback of aquatic vegetation.



Male grizzly bears can maintain territorial control over many square miles. This role as a top predator in the territory is known as

- A a habitat
- an ecosystem
- C a biosphere
- D a niche



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A **food web** is more stable than a food chain because a food web

- A transfers all of the producer energy to herbivores
- B reduces the number of niches in the ecosystem
- includes alternative pathways for energy flow
- includes more consumers than producers



Ecology I - Answer Key

BIO

Name Class Which group of organisms is an example Which statement concerning an ecosystem of a population? is correct? leopard frogs A It can exist with or without a constant in a stream source of energy input. A **B** birds in Colorado It must contain consumers but can exist without producers. reptiles in the Sahara Desert It involves interactions between biotic and abiotic factors. D trees in a forest It can exist on land, but it cannot exist in lakes, rivers, or oceans. Acacia trees provide food for a species of ant Which term refers to the behavior of two 3 species attempting to use the same living that lives on them. The ants defend the acacia tree from grasshoppers and beetles. This space, food source, and water source? relationship between the ant and acacia tree is best described as A saprophytic (B)5 A **PREVIEW** Please Sign In or Sign Up to download the printable version of this worksheet C previously covered by the pond. c converted to ammonia by bacteria of C Grasses will most likely grow on the bottom decay of the dried-up pond. D combined with carbon dioxide to The pond will fill in due to seasonal form protein dieback of aquatic vegetation. Male grizzly bears can maintain territorial A food web is more stable than a food chain 10 control over many square miles. This role because a food web as a top predator in the territory is known as A transfers all of the producer energy to A a habitat C herbivores B an ecosystem B reduces the number C a biosphere of niches in the ecosystem includes alternative D a niche

pathways for energy flow

D includes more consumers than producers