

Ecology I



Name_____ Date____



Intense competition would most likely occur between

- A owls and deer inhabiting the same forest
- B squirrels and chipmunks using the same food source in a certain habitat
- pine trees and grass seedlings growing in adjacent fields
- whales and sharks living in the same ocean



Which human activity would be more likely to have a **negative impact** on the environment than the other three?

- using reforestation and cover cropping to control soil erosion
- B using insecticides to kill insects that compete with humans for food
- developing research aimed toward the preservation of endangered species
- investigating the use of biological controls for pests



In the diagram below, which level of organisms contains the greatest amount of available energy?



Which factor determines the type of terrestrial plants that grow in an area?

- A percentage of nitrogen in the air
- B depth of the ponds in the area



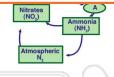
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PREVIEW



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- C col
- c carbon dioxide
- **D** mineral salt



Hawk

Mouse

Raccoon

- B photosynthesis & cellular respiration
- c artificial selection & deamination
- D enzymatic hydrolysis & regeneration

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In the diagram below, which organism is classified as both a primary and a secondary consumer?

Snake

- A hawk
- **B** raccoon
- C snake
- **D** mouse

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Which human activity would most likely have a positive impact on the environment?

Decomposers

- A using pesticides to decrease populations of birds of prey
- **B** increasing emissions into the atmosphere to decrease the pH of lakes
- using parasites for biological control of pests to increase crop yields
- engaging in uncontrolled hunting and trapping to reduce populations of carnivores



Ecology I - Answer Key



Class Name Date Which human activity would be more likely to Intense competition would have a negative impact on the environment most likely occur between than the other three? A using reforestation and cover cropping to A owls and deer inhabiting control soil erosion the same forest B B using insecticides to kill insects that squirrels and chipmunks using the same compete with humans for food food source in a certain habitat developing research aimed toward the C pine trees and grass seedlings growing in preservation of endangered species adjacent fields investigating the use of biological controls whales and sharks living in the same ocean for pests In the diagram below, which level of organisms Which factor determines the type of 3 contains the greatest amount of available terrestrial plants that grow in an area? A percentage of nitrogen in the air B depth of the ponds in the area 5 C **PREVIEW** Please Sign In or Sign Up to download the printable version of this worksheet B sunui Decomposers Nitrates (NO₃) Carbon dioxide **B** photosynthesis c carbon dioxide & cellular respiration **D** mineral salt c artificial selection & deamination D enzymatic hydrolysis & regeneration In the diagram below, which organism is Which human activity would most likely have a 10 classified as both a primary and a positive impact on the environment? secondary consumer? A using pesticides to decrease populations of Hawk birds of prey A hawk B (C increasing emissions into the atmosphere to Snake Raccoon **B** raccoon decrease the pH of lakes Mouse C snake using parasites for biological control of pests to increase crop yields **D** mouse engaging in uncontrolled hunting and trapping to reduce populations of carnivores