



Name _____ Class _____ Date _____

- 1 "Natural ecosystems provide an array of basic processes that affect humans." Which statement does **not** support this quotation?
- A Bacteria of decay help recycle materials.
 - B Trees add to the amount of atmospheric oxygen.
 - C Treated sewage is less damaging to the environment than untreated sewage.
 - D Lichens and mosses living on rocks help to break the rocks down, forming soil.

- 3 Which practice would most likely deplete a **nonrenewable natural resource**?
- A harvesting trees on a tree farm
 - B burning coal to generate electricity in a power plant
 - C restricting water usage during a period of water shortage

- 2 The **carrying capacity** of a given environment is **least dependent** upon
- A recycling of materials
 - B the available energy
 - C the availability of food and water
 - D daily temperature fluctuations

- 4 Changes in the chemical composition of the atmosphere that may produce **acid rain** are most closely associated with
- A insects that excrete acids
 - B runoff from acidic soils
 - C industrial smoke stack emissions



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- B utilize agricultural technology that decreases soil erosion
- C decrease the need for finite resources
- D limit the amount of emissions produced each year

- C permanently removed from the environment
- D cycled between organisms and the environment

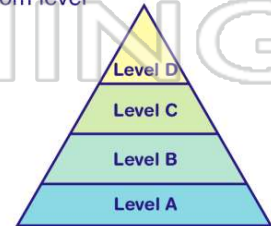
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- What would **most likely** occur **after an ecosystem is disrupted by fire**?
- A The ecosystem would eventually return to its original state.
 - B The ecosystem would return to its previous state immediately.
 - C The ecosystem would evolve into a new ecosystem that is totally different from the original.
 - D The ecosystem would become an ever-changing environment with no stability.

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The **greatest amount** of available energy is **transferred** from level

- A A to level B
- B A to level C
- C B to level A
- D D to level A





ANSWER KEY

"Natural ecosystems provide an array of basic processes that affect humans." Which statement does **not** support this quotation?

- A Bacteria of decay help recycle materials.
- B Trees add to the amount of atmospheric oxygen.
- C Treated sewage is less damaging to the environment than untreated sewage.
- D Lichens and mosses living on rocks help to break the rocks down, forming soil.

(c)

The **carrying capacity** of a given environment is **least dependent** upon

- A recycling of materials
- B the available energy
- C the availability of food and water
- D daily temperature fluctuations

(d)

Which practice would most likely deplete a **nonrenewable natural resource**?

- A harvesting trees on a tree farm
- B burning coal to generate electricity in a power plant
- C restricting water usage during a period of water shortage
- D building a dam and a power plant to use water to generate electricity

(b)

Changes in the chemical composition of the atmosphere that may produce **acid rain** are most closely associated with

- A insects that excrete acids
- B runoff from acidic soils
- C industrial smoke stack emissions
- D flocks of migrating birds



(c)



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- C decrease the need for finite resources
- D limit the amount of emissions produced each year

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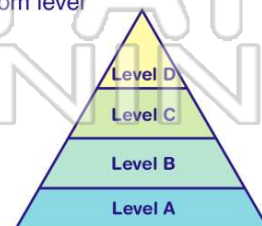
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(a)

The **greatest amount of available energy** is **transferred** from level

- A A to level B
- B A to level C
- C B to level A
- D D to level A



(a)