

Brainpop—Land Biomes

Name:

Period:

Watch the Brainpop on land biomes, then answer the questions below.

- _____ 1. What is the best description of a biome?
- an interdependent system of plants, animals, and land
 - a system of trees, forests, and rivers
 - a habitat where large numbers of animals live
 - an area with significant amounts of rainfall

_____ 2. Why are organisms so well-adapted to the conditions of the biomes in which they live? Choose the best answer.

- they have migrated to biomes that suit their biological needs
- they have slowly evolved to adapt to their environments
- they have killed off other, better-adapted species
- they have quickly changed their biological makeup to suit their environments

_____ 3. What might happen if you tried to plant a tree that is native to tropical rainforests in the tundra?

- the tree would quickly adapt to its new environment
- the tree would slowly evolve to adapt to its new environment
- the tree would probably die
- the tree would survive, but it probably wouldn't grow

_____ 4. Which phrase best describes the species you can find in a tropical rainforest?

- few and far between
- diverse and large in number
- mainly trees, with few animals
- large in number, but limited in diversity

_____ 5. In the movie, Tim says that temperate forests are found in **mid-latitude** areas. What does **mid-latitude** mean?

- home to lots of trees
- filled with fertile soil
- subject to heavy rains
- neither close to the equator nor close to the poles

_____ 6. Which animal might you find on the savanna, or grassland?

- a. a duck b. a bear c. a lion d. a kangaroo

_____ 7. What can you infer about animals that live in the desert?

- most of them are quite large
- most of them are warm-blooded
- most are unable to withstand temperatures below 90 degrees Fahrenheit
- most can survive on very little water

_____ 8. How is the taiga different from the tundra?

- evergreen trees grow in the taiga; very little plant life grows in the tundra
- Many animals live in the taiga; no animals live in the tundra
- the taiga is very warm; the tundra is very cold
- the taiga exists around the North Pole; the tundra exists around the South Pole

_____ 9. Which word best describes the process by which biomes naturally change?

- a. rapid b. gradual c. instantaneous d. quick

_____ 10. How can people change biomes?

- by melting the permafrost with campfires
- by cutting down trees and polluting the water
- by raising different kinds of animals on farms
- by using canoes and boats to navigate rivers



Look at the cartoons from the video. Why do different biomes have different temperatures?

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Click on the box that is labeled FYI on the main page for the land biomes topic. Next, select the Did You Know tab, and read the article that shows up. In the boxes below, make drawings that show the different anthropogenic biomes.

dense settlements (cities)

villages or agricultural settlements (areas of farming, so not many people)

croplands (land used for growing plants for food)

rangelands (a few trees)

forested lands (forests with people)

wildlands (no humans or agriculture)