

Earth Day Science Symposium: Rainforests STUDY GUIDE / QUIZ

The study guide/quiz follows on the next page. Answers to all of the multiple-choice questions are clearly stated in the Rainforest Gazette (Handout 1).

Use the study guide/quiz to structure a class discussion or make copies and (1) hand them out with the gazette to guide students through the reading or (2) use them as a test when you have completed all EDSS activities.

Key

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|----|----|--------------------------------|-----|----|--------------------------------|
| 1. | d. | 70-90 percent | 6. | b. | Keystone species |
| 2. | b. | 50 percent | 7. | b. | Pristine rainforest |
| 3. | a. | Producers | 8. | c. | Washes away |
| 4. | d. | All of the above (a, b, and c) | 9. | d. | Carbon dioxide |
| 5. | c. | By animals | 10. | d. | All of the above (a, b, and c) |

Bonus Question (sample answer)

I think it is a good idea to save rainforests because:

1. Tropical rainforests cover less than 2 percent of the Earth's surface, but they are home for about 50 percent of all plant and animal species. There are millions of different rainforest animals and plants. If we do not conserve rainforests, many of these plants and animals will become extinct.
2. When forests are cut down to make room for farms and ranches, soils wash away. This causes ranches and farms to be destroyed and hurts people's quality of life.
3. Rainforests consume and store huge amounts of carbon dioxide, a major greenhouse gas. This can help prevent global warming.
4. Rainforests are strange and beautiful, and people enjoy them. It would cause a lot of sadness if all rainforests were destroyed.
5. I love rainforest animals and I want them to have a good home. If we do not conserve rainforests, some of my favorite animals will become extinct.

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- How many of the plants in a rainforest are found in the canopy?
 - 10 percent
 - 25-50 percent
 - 50-60 percent
 - 70-90 percent
- About how many of the plant and animal species on Earth are found in tropical rainforests?
 - 25 percent
 - 50 percent
 - 90 percent
 - 100 percent
- What do primary consumers eat?
 - Producers
 - Apex predators
 - Omnivores
 - Secondary consumers
- What is an example of a kind of symbiosis?
 - Mutualism
 - Commensalism
 - Parasitism
 - All of the above (a, b, and c)
- How are most plants pollinated?
 - By the wind
 - By water
 - By animals
 - By other plants
- When a plant or animal has important connections with many other species in its ecosystem, it is called:
 - An herbivore
 - A keystone species
 - A pollinator
 - A predator
- A rainforest that has not been changed by humans is called
 - Deforested rainforest
 - Pristine rainforest
 - Disturbed rainforest
 - Tropical rainforest
- When all the trees in a rainforest are cut down, the soil _____.
 - Stays where it is
 - Is sold for money
 - Washes away
 - Is improved
- Rainforests help protect the planet from global warming because their plants consume _____.
 - Oxygen
 - Water
 - Nutrients from the soil
 - Carbon dioxide

