

Ecosystems Quiz PDF

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How do symbiotic relationships affect the balance of an ecosystem? Provide examples.

What are the main differences between primary and secondary succession?

In what ways can biodiversity contribute to the resilience of an ecosystem?

Describe the impact of deforestation on terrestrial ecosystems and biodiversity.

Discuss how human activities can disrupt nutrient cycling in aquatic ecosystems.

What is the primary source of energy for most ecosystems?

- Water
- Sunlight
- Soil
- Wind

Which type of ecosystem is characterized by having a high salt concentration?

- Freshwater
- Marine
- Desert
- Forest

Which organisms are typically considered primary consumers? (Select all that apply)

- Herbivores
- Carnivores
- Omnivores
- Producers

Which factors can lead to changes in population dynamics? (Select all that apply)

- Birth rates
- Migration
- Symbiotic relationships
- Climate change

What are the characteristics of a desert ecosystem? (Select all that apply)

- High rainfall
- Low humidity
- Sparse vegetation
- Extreme temperatures

Explain the role of producers in an ecosystem and why they are crucial for energy flow.

What is the term for the variety of ecosystems within a given region?

- Genetic diversity
- Species richness
- Ecosystem diversity
- Population dynamics

Which of the following is an example of a terrestrial ecosystem?

- Coral reef
- River
- Grasslands
- Ocean

What is the initial stage of ecological succession in a lifeless area called?

- Secondary succession
- Primary succession
- Climax community

- Pioneer stage

Which of the following are considered abiotic components of an ecosystem? (Select all that apply)

- Temperature
 Animals
 Soil
 Plants

Which process involves the movement of nutrients through an ecosystem?

- Energy flow
 Nutrient cycling
 Photosynthesis
 Evaporation

Which of the following is a biotic component of an ecosystem?

- Rocks
 Water
 Plants
 Sunlight

What role do decomposers play in an ecosystem?

- Produce food
 Consume producers
 Break down dead material
 Compete for resources

Which practices contribute to ecosystem conservation? (Select all that apply)

- Deforestation
 Sustainable agriculture
 Pollution control
 Overfishing

What are some effects of climate change on ecosystems? (Select all that apply)

- Increased biodiversity

- Habitat loss
- Alter ed food webs
- Stable temperatures