

Name _____

Exploring Ecosystems: Nature's Complex Communities

Multiple Choice Questions

1. What is an ecosystem?

- a) A community of non-living components
- b) A dynamic community of living organisms interacting with each other and their environment
- c) A geographic area with no biodiversity
- d) A collection of rocks and minerals

2. What are abiotic factors in an ecosystem?

- a) Living organisms
- b) Decomposers
- c) Non-living components like sunlight and soil
- d) Primary producers

3. Which organisms are primary producers in an ecosystem?

- a) Herbivores
- b) Carnivores
- c) Decomposers
- d) Plants and photosynthetic organisms

4. What is the role of decomposers in an ecosystem?

- a) They break down organic matter and release nutrients.
- b) They produce energy through photosynthesis.
- c) They consume other organisms for food.
- d) They are primary producers.

5. What drives the exchange of matter and energy within an ecosystem?

- a) Static processes
- b) Energy flow and nutrient cycling
- c) Human interference only
- d) Absence of living organisms

