

Name \_\_\_\_\_

## The Ever-Changing Landscape: Exploring Ecological Succession

### Multiple Choice Questions

1. What is ecological succession?
  - a) The process of maintaining stable ecosystems
  - b) The gradual change in species composition and structure of ecosystems over time
  - c) The sudden destruction of ecosystems by natural disasters
  - d) The artificial creation of ecosystems by humans
  
2. Which type of succession occurs in areas with no soil or living organisms?
  - a) Primary succession
  - b) Secondary succession
  - c) Tertiary succession
  - d) Quaternary succession
  
3. What are pioneer species?
  - a) Species that are at risk of extinction
  - b) Species that are the most abundant in an ecosystem
  - c) Species that establish themselves first in a newly disturbed area
  - d) Species that only grow in mature forests
  
4. What factors influence the pace and direction of ecological succession?
  - a) Only climate
  - b) Only soil type
  - c) Only topography
  - d) Climate, soil type, topography, and presence of nearby communities
  
5. How does secondary succession differ from primary succession?
  - a) Secondary succession occurs after primary succession.
  - b) Secondary succession occurs in areas with no soil.
  - c) Secondary succession begins with pioneer species.
  - d) Secondary succession occurs in areas where soil remains intact after a disturbance.

