

Name \_\_\_\_\_

## The Ever-Changing Dance of Plate Boundaries

### Multiple Choice Questions

1. What is the lithosphere?
  - a) The Earth's core
  - b) The outer shell of the Earth's surface
  - c) A type of rock
  - d) The atmosphere of the Earth
  
2. What happens at convergent plate boundaries?
  - a) Plates move away from each other
  - b) Plates slide past each other horizontally
  - c) Plates move toward each other and can create mountain ranges
  - d) Nothing, they remain stationary
  
3. Which famous fault line is an example of a transform plate boundary?
  - a) Mid-Atlantic Ridge
  - b) San Andreas Fault
  - c) Himalayan Fault
  - d) Great Rift Valley
  
4. What is the process by which one tectonic plate is pushed beneath another at subduction zones?
  - a) Convergence
  - b) Divergence
  - c) Seafloor spreading
  - d) Subduction
  
5. How do scientists study plate tectonics and changes in plate boundaries?
  - a) Using telescopes
  - b) Through microbiology
  - c) Using seismology, GPS technology, and geological mapping
  - d) With weather balloons

