

Name \_\_\_\_\_

## Dancing Plates and Rock Transformations: The Intricate Relationship Between Plate Tectonics and the Rock Cycle

### Multiple Choice Questions

1. What are the three main types of plate boundaries?
  - a) Dance, music, and lights
  - b) Divergent, convergent, and transform
  - c) Paint, canvas, and wardrobe
  - d) Sedimentary, igneous, and metamorphic
  
2. What happens at divergent boundaries in plate tectonics?
  - a) Plates collide
  - b) Plates pull apart
  - c) Plates slide past each other
  - d) Plates disappear
  
3. What type of rock forms when oceanic plates subduct beneath continental plates at convergent boundaries?
  - a) Igneous
  - b) Metamorphic
  - c) Sedimentary
  - d) Extraterrestrial
  
4. How do transform boundaries contribute to the rock cycle?
  - a) They create fresh magma
  - b) They form sedimentary rocks
  - c) They fracture rocks, leading to new igneous rocks
  - d) They have no impact on the rock cycle
  
5. What is the rock cycle's role in the interactions at plate boundaries?
  - a) It provides the music for the plate tectonics ballet.
  - b) It influences the weathering and erosion of rocks.
  - c) It acts as the script for the plate tectonics performance.
  - d) It serves as the audience for the plate tectonics dance.

