

Name _____

Subduction: The Earth's Subterranean Conveyor Belt

Multiple Choice Questions

1. What is subduction?
 - a) The process of tectonic plates moving away from each other
 - b) The process of one tectonic plate being forced beneath another into the Earth's mantle
 - c) The process of tectonic plates sliding past each other horizontally
 - d) The process of volcanic eruptions along plate boundaries

2. Where does subduction primarily take place?
 - a) At divergent boundaries
 - b) At transform boundaries
 - c) At convergent boundaries
 - d) In the Earth's core

3. What happens to the oceanic plate as it descends into the mantle at a subduction zone?
 - a) It becomes thicker and denser.
 - b) It rises to the surface.
 - c) It gets pulled deeper and melts.
 - d) It remains unchanged.

4. What geological features are often associated with subduction zones?
 - a) Deep ocean trenches, volcanic arcs, and earthquakes
 - b) Mountain ranges and deserts
 - c) Plateaus and valleys
 - d) Glaciers and lakes

5. Which famous geological region is known for its frequent volcanic eruptions and earthquakes due to subduction?
 - a) Sahara Desert
 - b) Rocky Mountains
 - c) Pacific Ring of Fire
 - d) Amazon Rainforest

