

Name \_\_\_\_\_

## Unraveling the Mysteries of Ocean Tides and Their Impact on Climate

### Multiple Choice Questions

1. What primarily causes ocean tides?
  - a) Earth's rotation
  - b) Gravitational pull of the Moon and the Sun
  - c) Wind patterns
  - d) Ocean currents
  
2. How many high tides and low tides occur at a given location on Earth each day?
  - a) Two high tides and two low tides
  - b) Four high tides and four low tides
  - c) One high tide and one low tide
  - d) Three high tides and three low tides
  
3. What are the higher high tides that occur during full moons and new moons called?
  - a) Spring tides
  - b) Neap tides
  - c) Solar tides
  - d) Lunar tides
  
4. How do tides help regulate the temperature of coastal regions?
  - a) By causing extreme temperature fluctuations
  - b) By cooling the land during high tide
  - c) By reducing coastal temperatures
  - d) By warming the land during low tide
  
5. What role do ocean currents influenced by tides play in affecting climate patterns?
  - a) They have no impact on climate.
  - b) They help distribute heat around the planet.
  - c) They cause extreme weather events.
  - d) They lead to sea level rise.

