

Name _____

Tides: The Dance of Earth and Moon

Multiple Choice Questions

1. What causes the tides on Earth?
 - a) Wind patterns
 - b) Earth's rotation
 - c) The gravitational pull of the Moon and the Sun
 - d) Ocean currents

2. How many high tides and low tides does a typical coastal region experience each day?
 - a) One high tide and one low tide
 - b) Two high tides and two low tides
 - c) Three high tides and three low tides
 - d) Four high tides and four low tides

3. During which moon phases do spring tides occur?
 - a) New moon and full moon
 - b) First quarter and third quarter
 - c) Waxing crescent and waning crescent
 - d) Waxing gibbous and waning gibbous

4. What are neap tides?
 - a) Tides with the highest high tides
 - b) Tides with the lowest low tides
 - c) Tides that occur during a solar eclipse
 - d) Tides during the equinoxes

5. Which factor influences the height and timing of tides in coastal areas?
 - a) The Moon's color
 - b) The depth of the ocean
 - c) The Earth's magnetic field
 - d) The rotation speed of Earth

