

Name _____

The Moon's Magical Influence: How it Affects Earth's Tides

Multiple Choice Questions

1. What causes the rise and fall of sea levels, known as tides?
 - a) Earth's rotation
 - b) Gravitational pull of the Moon and the Sun
 - c) Ocean currents
 - d) Wind patterns

2. How many tidal bulges are created on Earth due to the Moon's gravitational pull?
 - a) One
 - b) Two
 - c) Three
 - d) Four

3. What are the areas between high and low tides called?
 - a) High water zones
 - b) Slack water or slack tide
 - c) Tidal pools
 - d) Tidal surges

4. What role does centrifugal force play in the interaction between Earth and the Moon?
 - a) It amplifies the Moon's gravitational pull.
 - b) It has no effect on tides.
 - c) It counteracts the Moon's gravitational pull to some extent.
 - d) It causes the Earth to spin faster.

5. What is the typical duration of a tidal cycle, including two high tides and two low tides?
 - a) 12 hours
 - b) 24 hours and 50 minutes
 - c) 1 week
 - d) 1 month

