

Name _____

Sorting Tidal Influences Answer Key

Moon

1. Daily rise and fall of the oceans
4. Two high tides and two low tides each day
6. Strongest overall effect on ocean bulges

Sun

5. Slight additional pull that makes tides higher or lower depending on alignment

Both

2. Strong spring tides during new and full moons
3. Neap tides with the smallest difference between high and low water
7. Gravitational pull working with the Moon during spring tides
8. Gravitational pull partly canceling the Moon's during neap tides

Reflection (Sample Answer):

The Moon is more important because it creates the main tidal bulges that cause daily high and low tides. The Sun does affect tides, but its influence is weaker compared to the Moon.