



#8 - Tides

1. When calculating gravity, we measure from _____
2. Right now, how far are you from the center of the Earth? _____
3. The change in the force of gravity over distance is what astronomers call _____
4. The overall effect of the tidal force is to _____
5. Where the tidal force is strongest, we say it's _____
6. Where the tidal force is weakest, we say it's _____
7. What is the time between high tide and low tide? _____
8. There are two high tides and two low tides every _____
9. In general, the ocean tide causes the sea level to rise and fall by _____
10. The tidal force stretches the solid Earth by about _____
11. Due to the Moon's pull, the length of Earth's day is _____
12. What is it called when a moon shows the same face toward it's home planet? _____
13. During which moon phase are the Earth, Moon, and Sun in a line? _____
14. Which tides are associated with a new or full moon? _____
15. Which tide is associated with the least difference between high and low water? _____
16. How long is it between spring and neap tides? _____