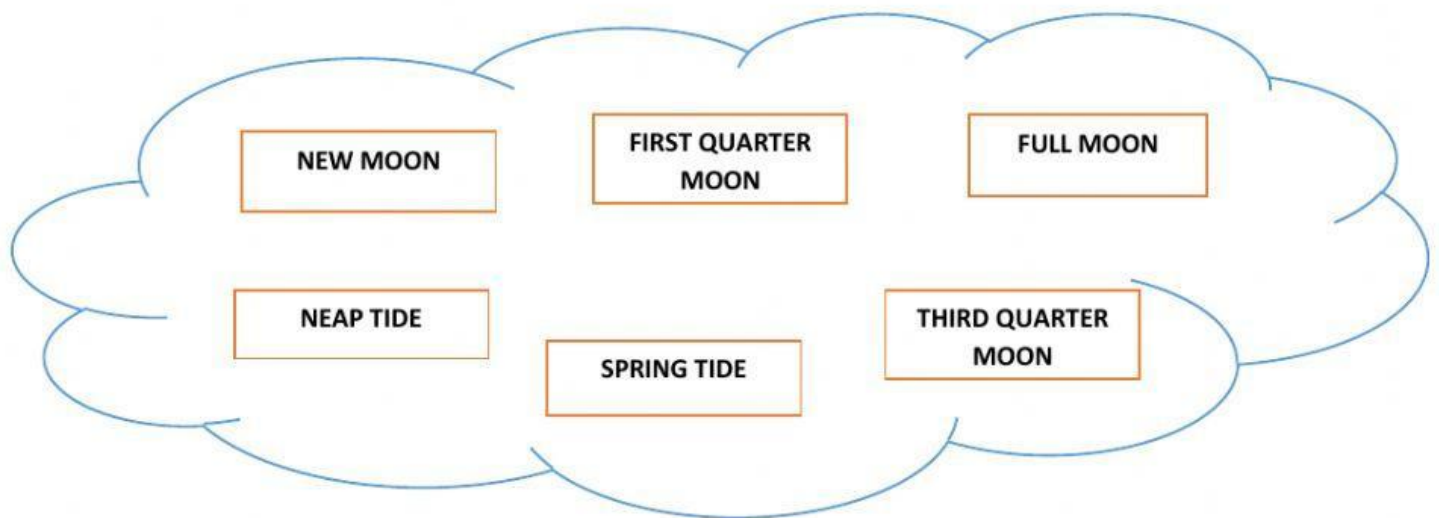
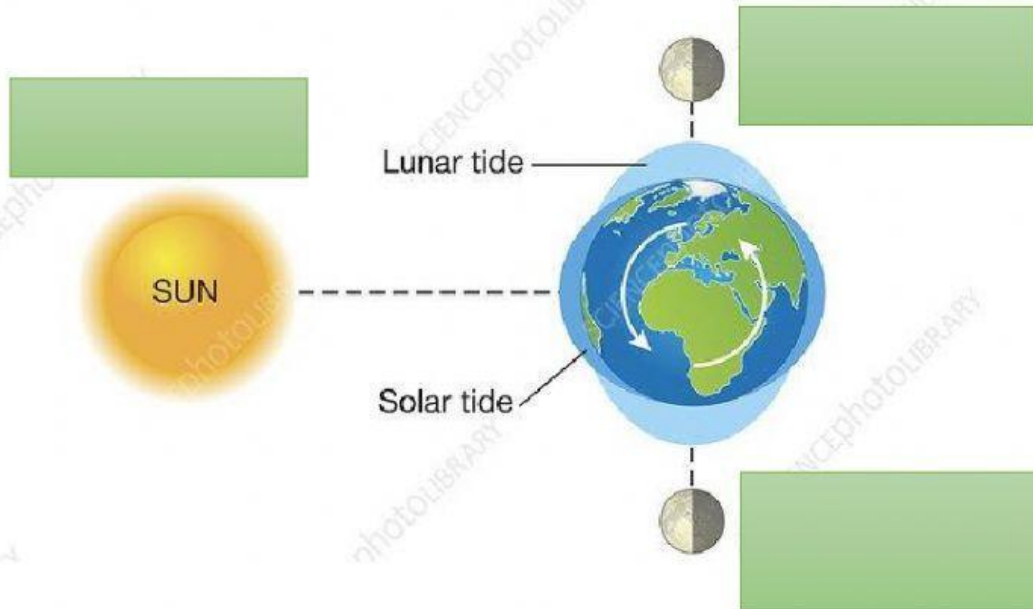
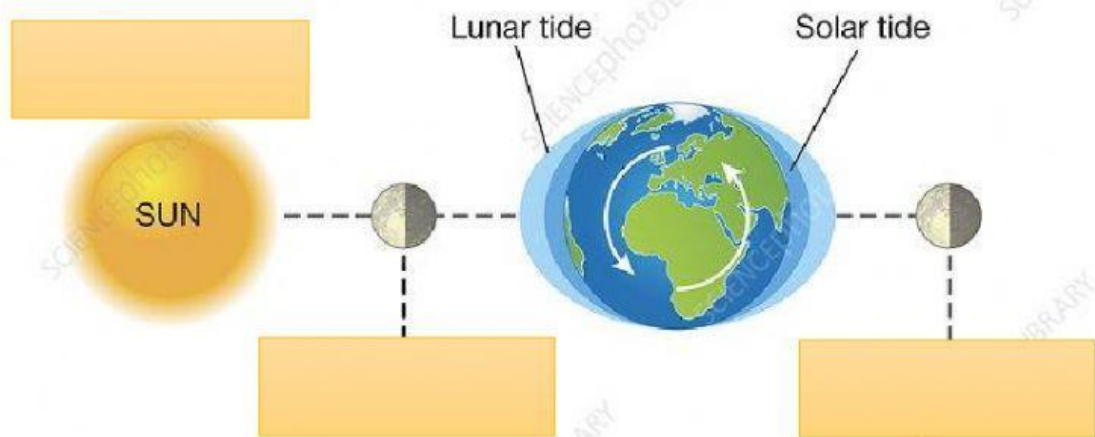


## OCEAN TIDES\_G7\_Physics

A. Drag and Drop the label on the chart.



## OCEAN TIDES\_G7\_Physics

### B. Complete the text, by choosing the correct word.

Tides are the rise and fall of  around the world. There are  high tides and  low tides each day. The size of the high and low tides change over the month. During  the difference between the high and low tide is at its greatest. This is because when the Earth, the Sun and the Moon are in a line,  is at its strongest.

Gravity from  pull water across the Earth's surface. Just as the Earth pulls water downwards (in waterfalls, for example), the weaker gravitational pull of the Sun and Moon pull water sideways across the Earth. As Earth rotates, the moon's gravity pulls on different parts of our planet. Even though the moon only has about 1/100th the mass of Earth, since it's so close to us, it has enough gravity to move things around. When the moon's gravity pulls on the water in the oceans, however, someone's bound to notice.

Water has a much easier time moving around, and the water wants to bulge in the direction of the moon. This is called the

Because of the tidal force, the water on the side of the moon always wants to bulge out  the moon. This bulge is what we call a