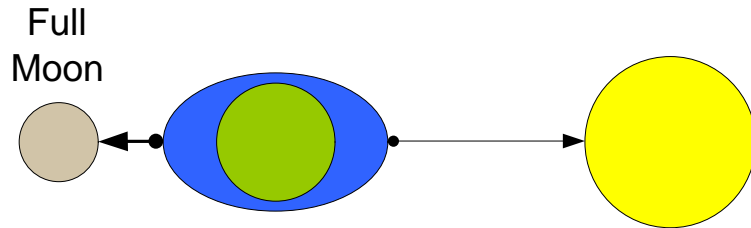


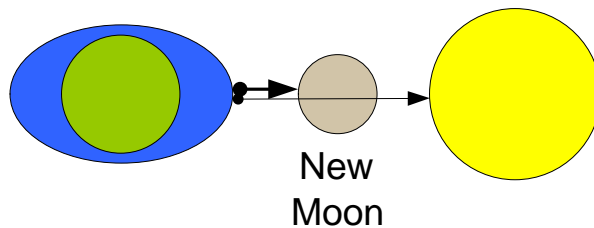
# Earth's Tides

## Spring Tides

Extreme high and extreme low tides occur at the Full Moon and New Moon Phases, when Sun, Moon and Earth are all in line.



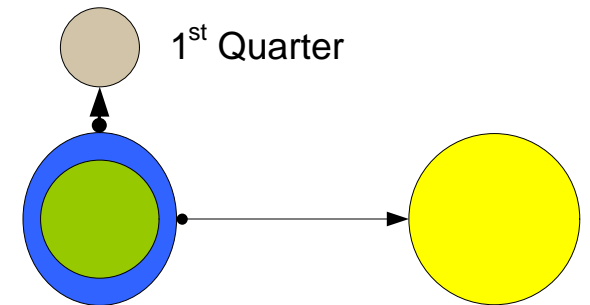
Sun's weak gravitational pull and Moon's strong gravitational pull reinforce one another.



**High tides always face directly towards or away from the Moon.**

## Neap Tides

Moderate high and low tides occur at the 1<sup>st</sup> Quarter and 3<sup>rd</sup> Quarter Moon Phases, when Sun and Moon are at right angles to one another.



Sun's weak gravitational pull and Moon's strong gravitational pull partially cancel one another out.

