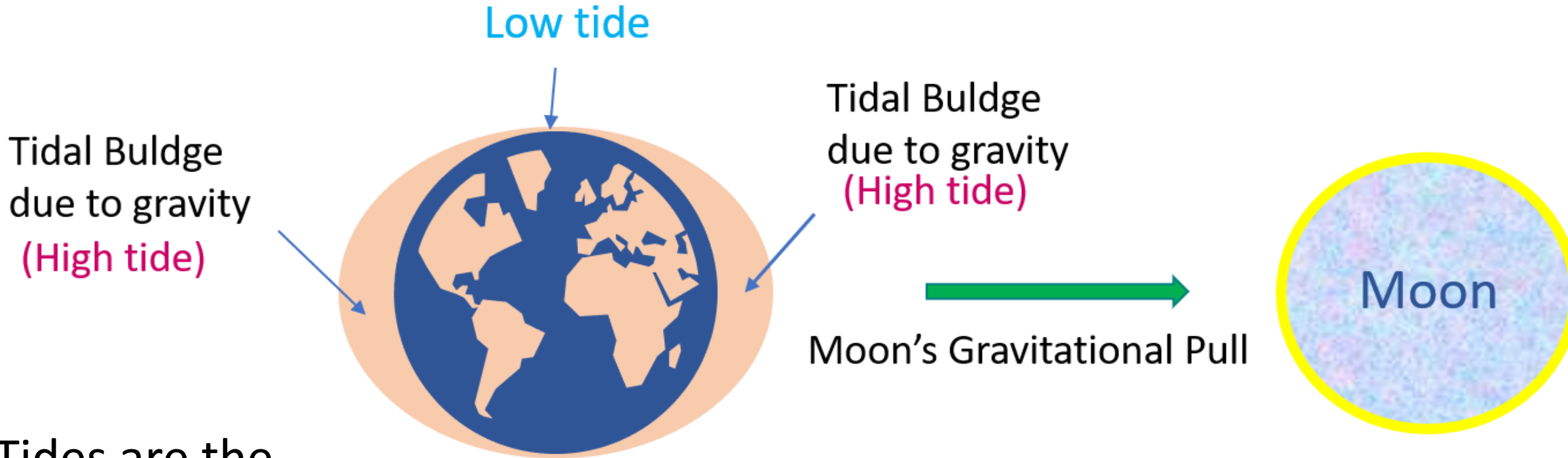


# Moon creating tides on Earth

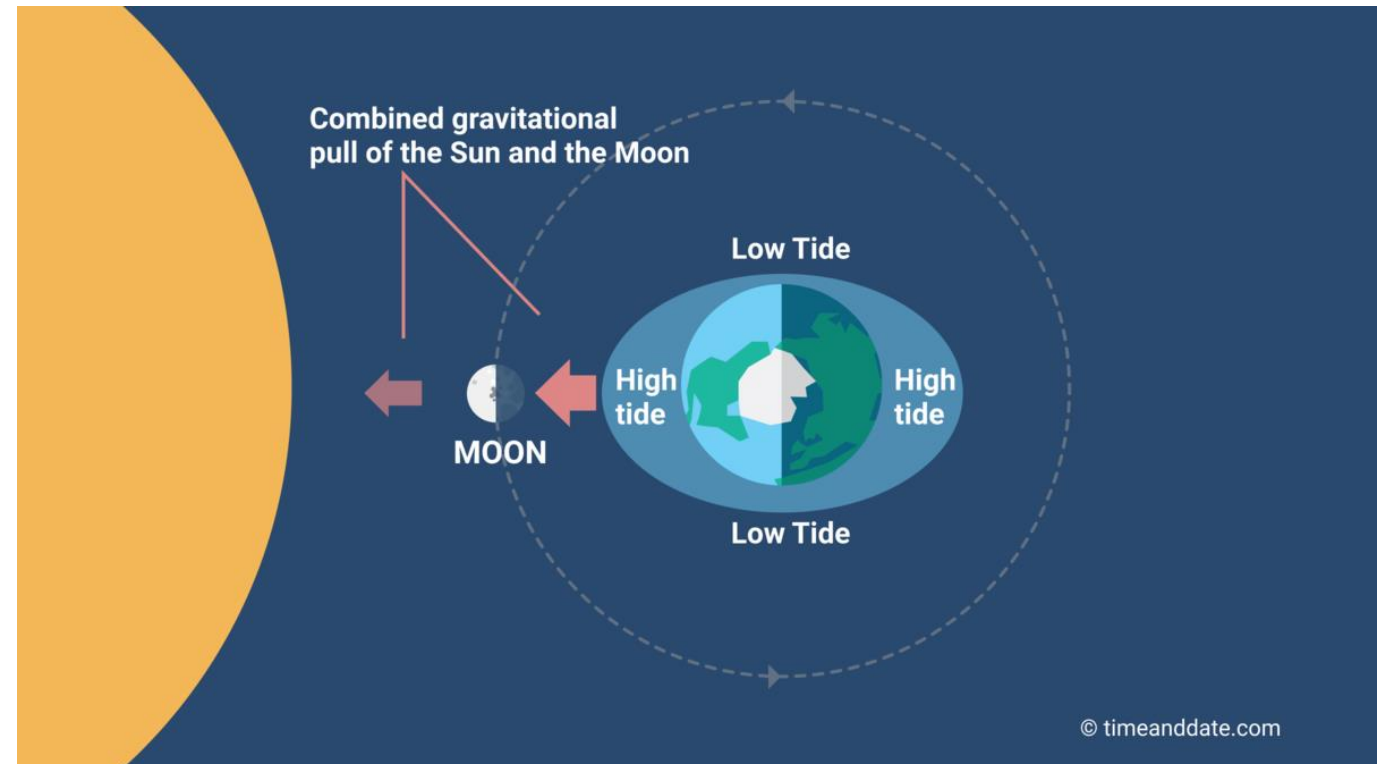
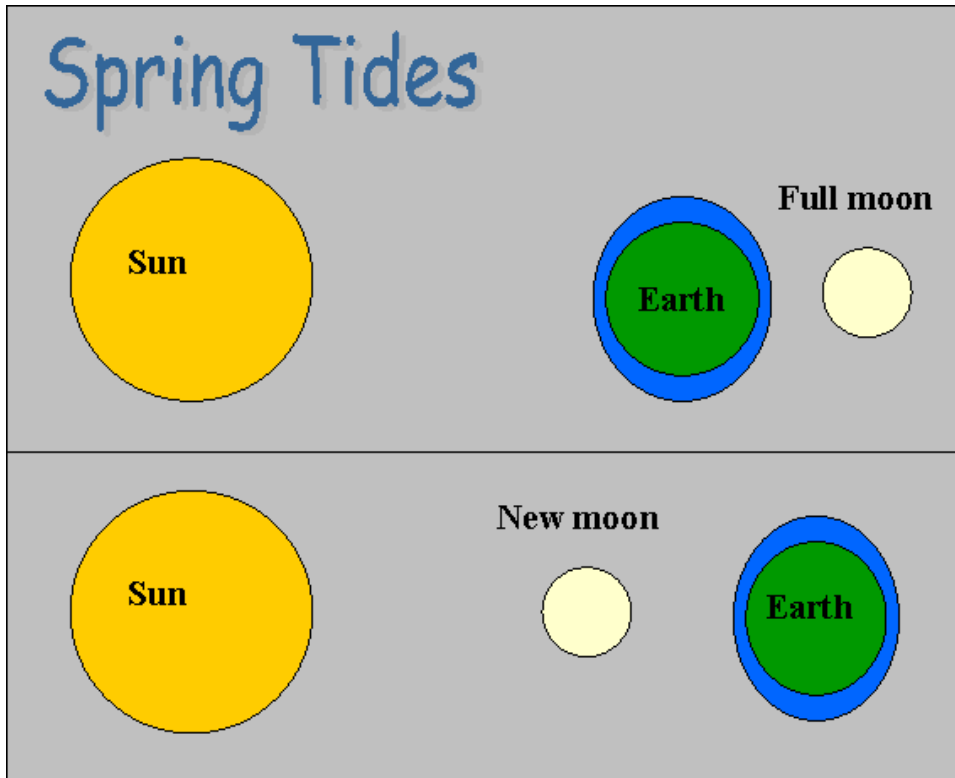
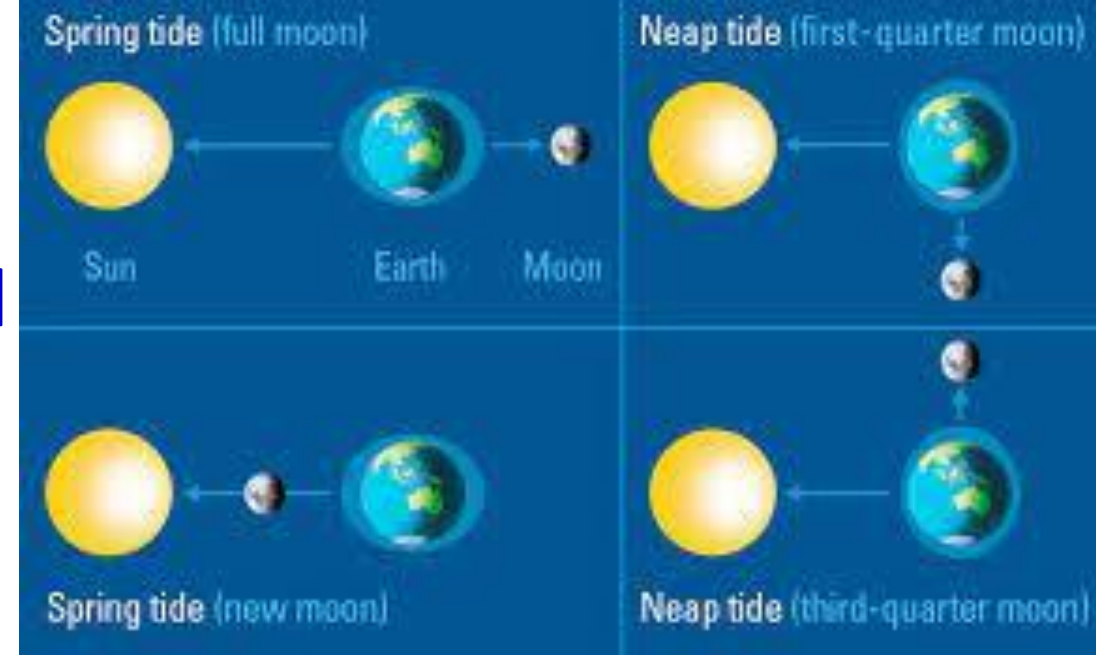


Tides are the predictable rise & fall of the sea and ocean & are caused mainly by the pull of the Moon.

The gravity of the Moon pulls on the water in the seas and oceans on Earth and thus high and low tides are formed. Usually 2 high tides & 2 low tides every 24 hours.

# Tides

When the Moon is aligned (in line) with the Earth and the Sun (at Full Moon and New Moon), the Sun's gravity adds to that of the Moon and causes extra high tides and extra low tides (spring tides).



# Tides and shoreline ecosystems

Tides sustain unique ecosystems between the high and low water levels

