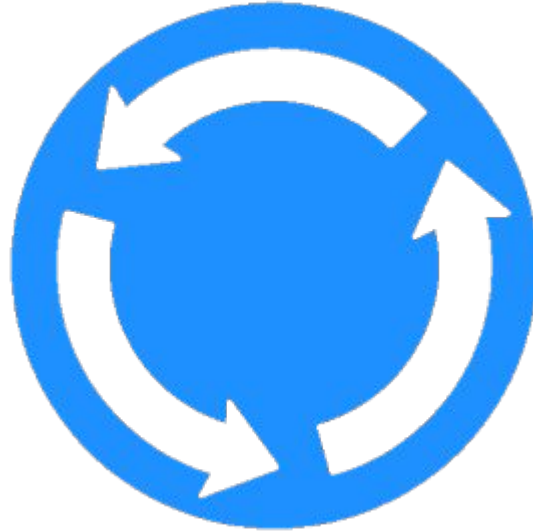


Tides

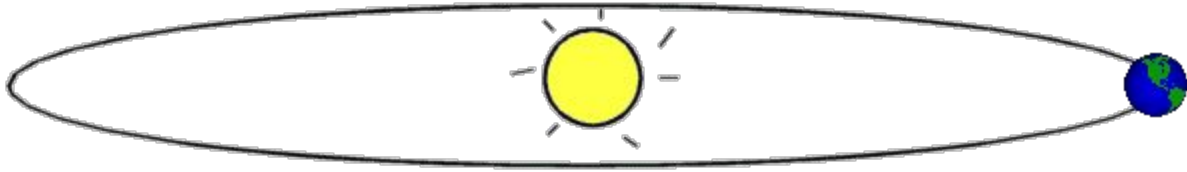
Vocabulary

rotation



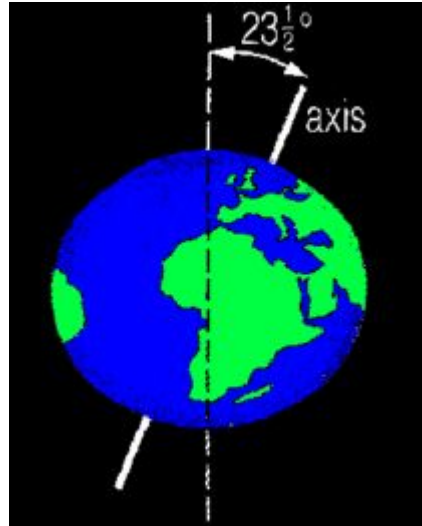
Vocabulary

revolution



Vocabulary

tilt of axis



Vocabulary

eclipse



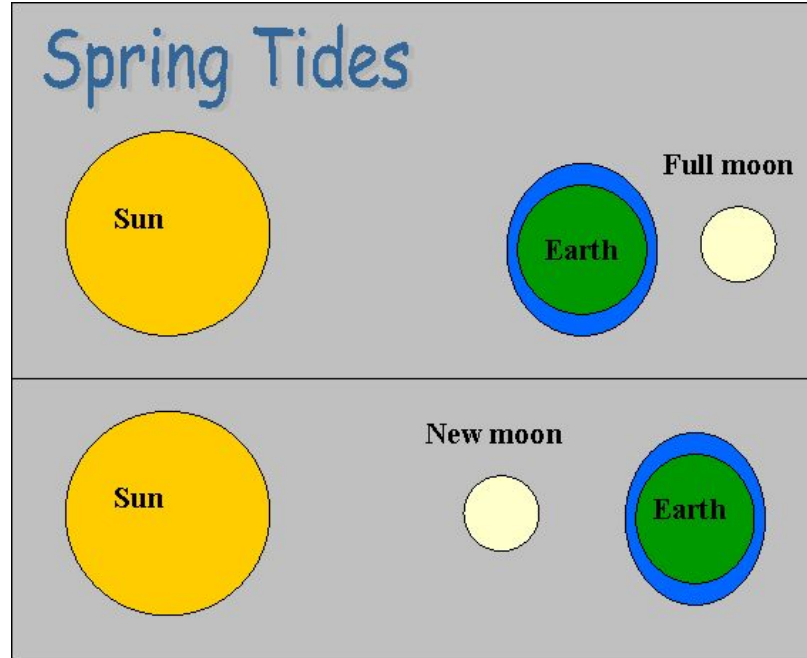
Vocabulary

neap tide



Vocabulary

spring tide



Vocabulary

wave



Vocabulary

current



Movements of the Earth

Movements of the Earth

Los movimientos de la tierra

<https://www.youtube.com/watch?v=th79sDCAh0Q>

Seasons Interactive #1

http://highered.mheducation.com/sites/007299181x/student_view0/chapter2/seasons_interactive.html

Seasons Interactive #2

http://www.sepuplhs.org/students/iaes/simulations/SEPUP_Seasons_Interactive.swf

*Write down notes in your notebook to help you remember the differences between ROTATION, REVOLUTION, and TILT OF EARTH'S AXIS

The Moon and Tides

Tides

High Tide in New Brunswick, Canada

<https://www.youtube.com/watch?v=budXQIGL8Dc>

Las Mareas

<https://www.youtube.com/watch?v=UHPQNDDrOQk>

Discovery Learning- Tides

<http://app.discoveryeducation.com/player/view/assetGuid/58229B2B-B806-415F-A8D5-D174BB082381##>

*Write down ideas and words during the clips, we will make a word web!

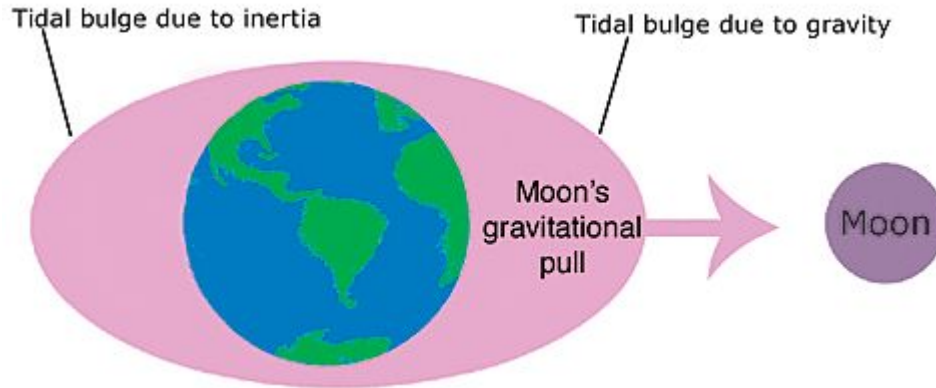
Earth and Moon's Revolution

- Our Moon's rotation and revolution periods are 27.3 days which causes us to see moon phase
 - we always see the same side of the moon.



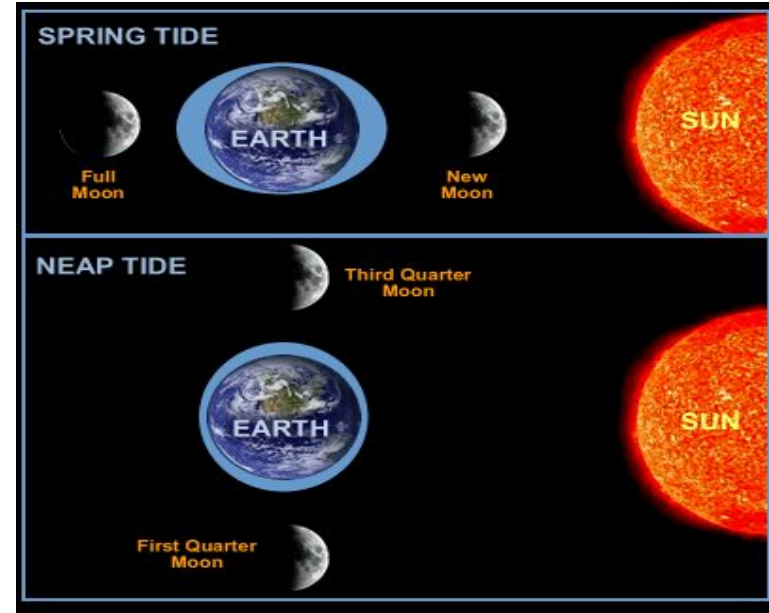
Tides

- Tides are caused by the moon's **gravitational pull**
- The water bulges into a **high tide** on both sides of the Earth two times a day.
- There is also two **low tides** on each side of the Earth each day.



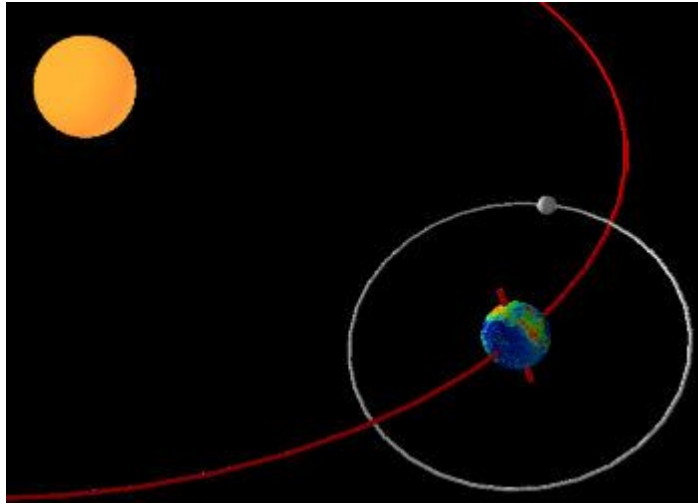
Special Tides

- The sun's gravity also has an effect on tides
- **Spring Tide** - when the sun, Earth and moon align.
 - This produces very high tides.
- **Neap Tides** - when the moon, Earth and the sun form a right angle
 - This produces moderate high tides.



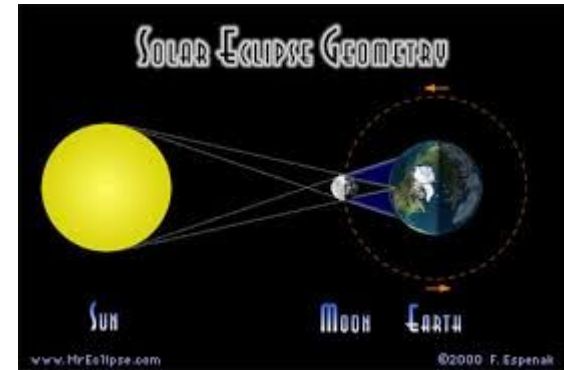
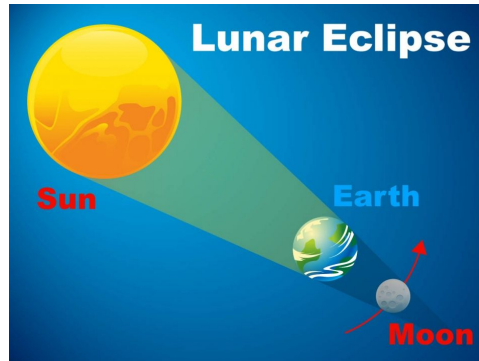
Gravitational Effect

Although the moon has a large gravitational effect on tides, the Sun still exerts more gravitational force than the moon



Eclipses

A lunar eclipse is when the Earth comes between the Sun and the Moon, blocking the light from reaching part of or all of the moon



A solar eclipse is when the Moon comes between the Sun and the Earth, blocking our view of the Sun.