**What is the Moon?**

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* The Earth has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ orbit planets
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ orbit the sun

**Moon Facts**

* There are holes on the moon’s surface called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* The moon gets its light from the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Earth’s pull of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ keeps moon as our natural \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* 384,000km away, 1/6th the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of Earth
* Takes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to get there with a space craft
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ put Neil Armstrong and Edwin “Buzz” Aldrin on the moon on July 16th, 1969

**THE MOON IS EARTH’S NATURAL SATELLITE**

* The period of rotation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the period of revolution around the Earth
* Only \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the moon is seen from earth
  + This is because the moon turns \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ each time it \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the Earth
    - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ side- side we can see
    - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ side-side we can’t see
* The moon rotates \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* From Earth, we can only see certain \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the lit moon.
* It takes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, approx. 29 days, for the moon to completely \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the Earth.
* Throughout a month, the moon’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ changes & we can only see some \_\_\_\_\_\_\_\_\_\_\_\_\_ of the illuminated moon.
* Full lunar phase takes one month (4 weeks) **Moon Phases Diagram (labeled):**
  + Weeks 1-2 are waxing (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) phases
  + Weeks 3-4 are waning (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) phases

**Eclipses:** An eclipse is the blocking of light by the alignment of the \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_.

* Solar Eclipse (label diagram):
* Lunar Eclipse (label diagram):

**What is a Tide?**

* A tide is the \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_ of the surface level of a body of water due to the Moon’s and the Sun’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* There are two types of tides: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ & \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Gravitational Pull**

* Earth and the other planets are kept in \_\_\_\_\_\_\_\_\_\_\_\_\_ around the Sun by the Sun’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* The \_\_\_\_\_\_\_\_\_\_\_\_\_\_ an object, the greater the force of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that pulls on another object.
* The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ distorts the sea level so that the sea is slightly higher on the side of Earth closer to the Moon and also on the side of Earth further from the moon.

**High Tide Facts:**

* Occurs \_\_\_\_\_\_\_\_\_\_\_\_ a day.
* Water \_\_\_\_\_\_\_\_\_\_\_\_\_ to its highest level.
* Water is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ up the beach.
* Occurs during \_\_\_\_\_\_\_\_\_\_\_\_\_ moon phase.

**Low Tide Facts:**

* Occurs \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ a day.
* Water \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to its lowest level.
* Water is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ down the beach.
* Occurs during \_\_\_\_\_\_\_\_\_\_\_\_\_\_ moon phase.

**Tides Image:**

**What About The Sun?** The sun also has an influence on the tides. Even though the sun is \_\_\_\_\_\_\_\_\_\_, it has much more \_\_\_\_\_\_\_\_\_\_\_\_ than the Moon.

**Spring Tide Facts:**

* Occurs \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ per month.
* High Tides reach their \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ level.
* Occur during \_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_ moon phases.
* Occur when the Sun, Moon and Earth \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Picture:

**Neap Tide Facts:**

* Occurs \_\_\_\_\_\_\_\_\_\_\_\_\_ per month.
* High Tides reach their \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ level.
* Occur during \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ moon phases.
* Occur when the Sun, Moon and Earth \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Picture: