

**New Moon**

* The moon is between the earth and the sun
* The moon makes a 180 degree angle or 0 degrees or 360 degrees depending what number you are starting at

**Waxing Cresent**

The moon is at a 45 degree angle

The moon is almost completely covered by the shadow

**First Quarter**

The moon makes a 90 degree angle

The moon is half covered by a shadow and half reflected light

**Waxing Gibbous**

The moon makes a 135 degree angle

The moon is almost completely lit by the reflection of the sun

**Full Moon**

The moon is completely lit by the reflection of the sun

The moon is on the opposite side: Sun 🡪 Earth 🡪 Moon

The moon is at a 180 degree angle with the sun and earth

**Wanning Gibbous**

The moon is beginning to be covered by a shadow

We only see a sliver of shadow

The moon makes a 45 degree angle or a 225 degree angle

**Third Quarter**

We see half the moon lit and half becoming a shadow

The moon is at a 90 degree angle or a 270 degrees

**Wanning Cresent**

The moon is almost completely covered by the shadow, only a sliver is lit by the suns reflection

The moon makes a 135 degree angle or 315 degrees