

# Phase

*The shape of the illuminated (sunlit) portion of the Moon as seen by an observer on Earth*



# Waxing

*The moon at any time after new moon and before full moon, so called because its illuminated area is increasing*



# Crescent

*When less than half of the moon is illuminated*



# Waning

*The moon at any time after full moon and before new moon, so called because its illuminated area is decreasing*



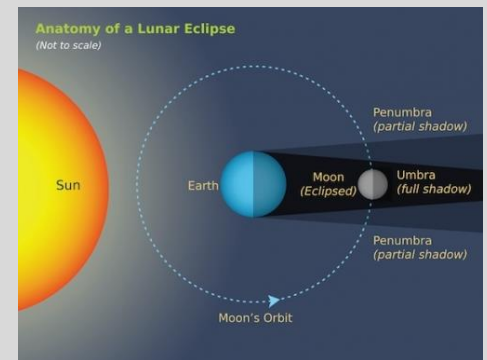
# Gibbous

*When more than half of the moon is illuminated*



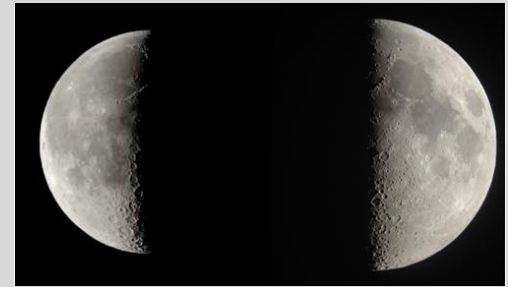
# Umbra

*The darkest part of a shadow, especially during an eclipse*



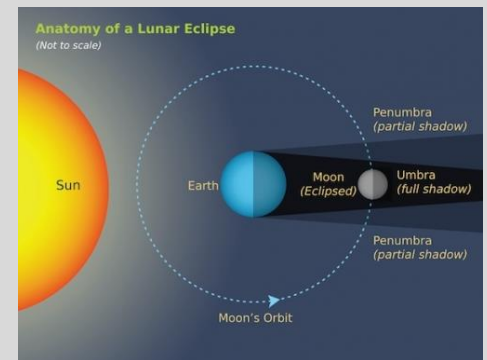
# Quarter Moon

*When one-quarter of the moon is illuminated; appears as one-half illuminated from Earth*



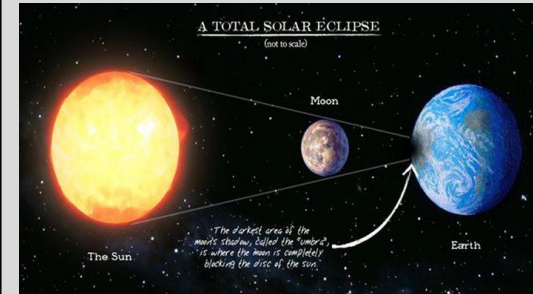
# Penumbra

*Partially shaded region of a shadow, especially during an eclipse*



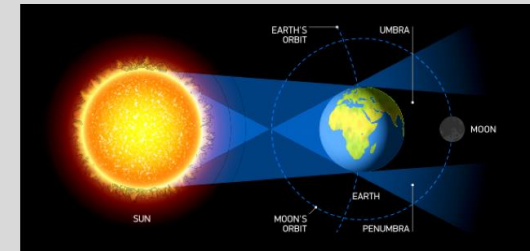
# Solar Eclipse

*An eclipse in which the sun is obscured by the moon*



# Lunar Eclipse

*An eclipse in which the moon appears darkened as it passes into the earth's shadow*



# First Quarter

*Occurs between the new moon and full moon, when the right half of the lighted surface is visible from Earth*



# Third (Last) Quarter

*Occurs between the full moon and new moon, when the left half of the lighted surface is visible from Earth*



# Full Moon

*The phase of the moon in which its whole disk is illuminated*



# New Moon

*The phase of the moon at which the moon does not appear to be illuminated by the sun*



# Waxing Crescent

*The phase of the moon between new moon and first quarter*



# Waning Crescent

*The phase of the moon between the third quarter and new moon*





# Waxing Gibbous

*The phase of the moon between the first quarter and full moon*



# Waning Gibbous

*The phase of the moon between the full moon and third quarter*

