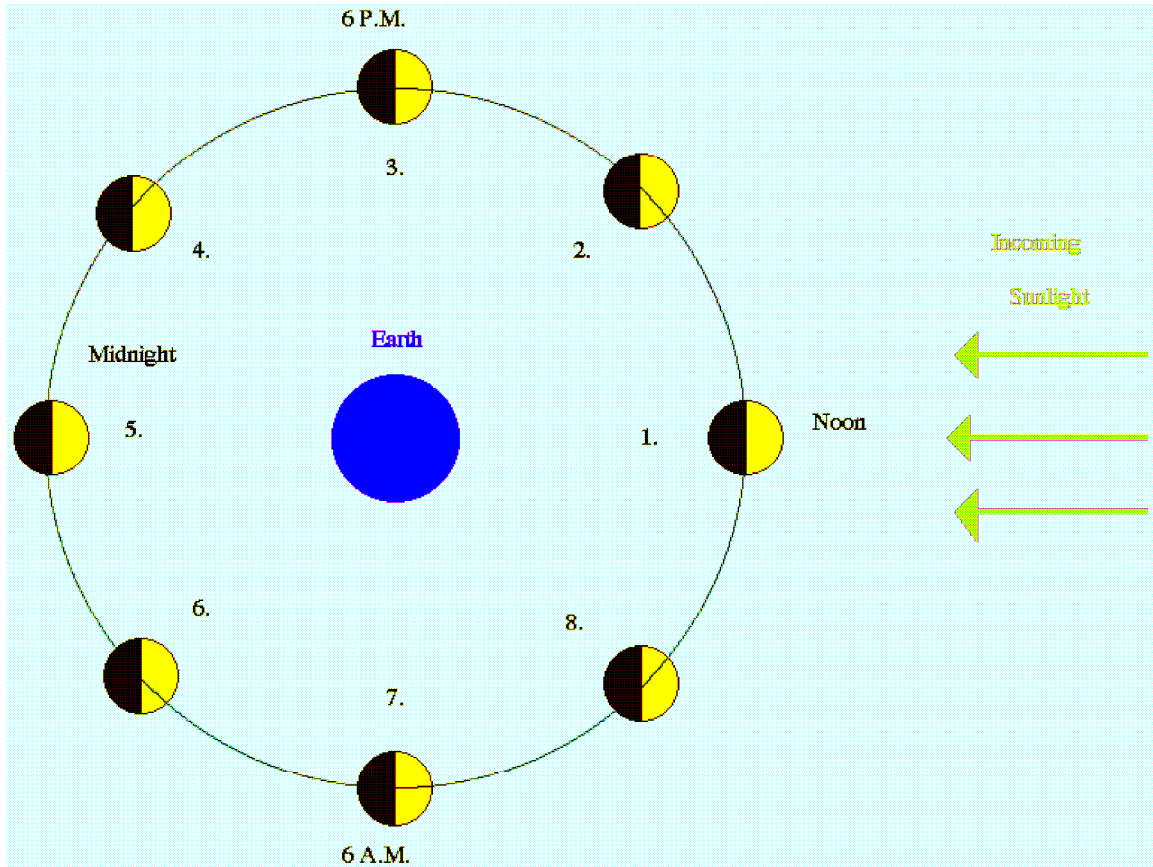


Orbital view not to scale



1. New Moon

2. Waxing Crescent

3. First Quarter

4. Waxing Gibbous

5. Full Moon

6. Waning Gibbous

7. Third or Last Quarter

8. Waning Crescent

Spring Tides (higher): positions 1, 5

Neap Tides (lower): positions 3, 7

Lunar Eclipse: position 5 (if on same plane)

Solar Eclipse: position 1 (if on same plane)

Note: Half of the moon is always illuminated.
Phases are caused by how much of the illuminated side we can see from Earth.