

Phases of the Moon

Perspective of the illuminated half of the moon, as seen from Earth.

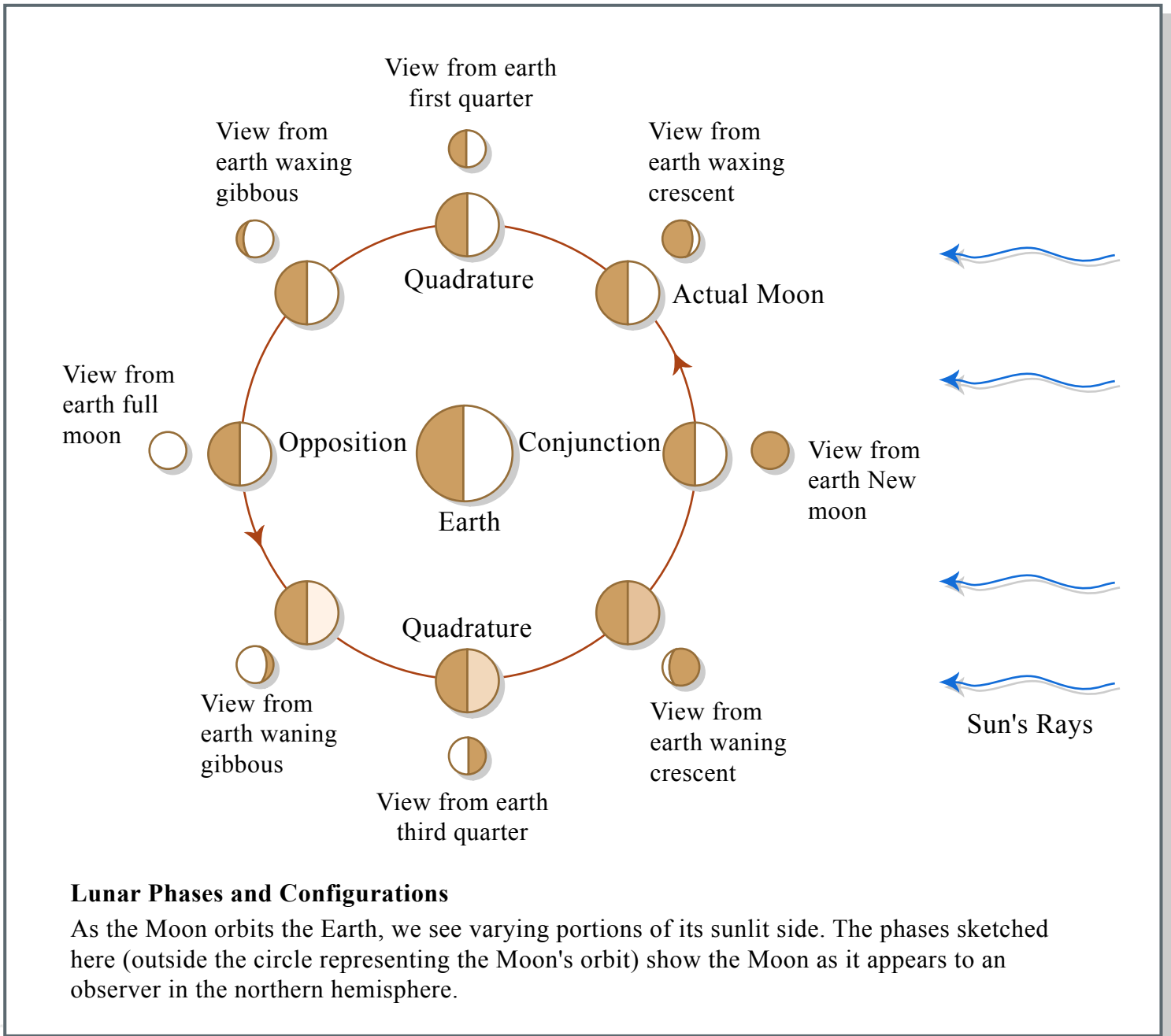
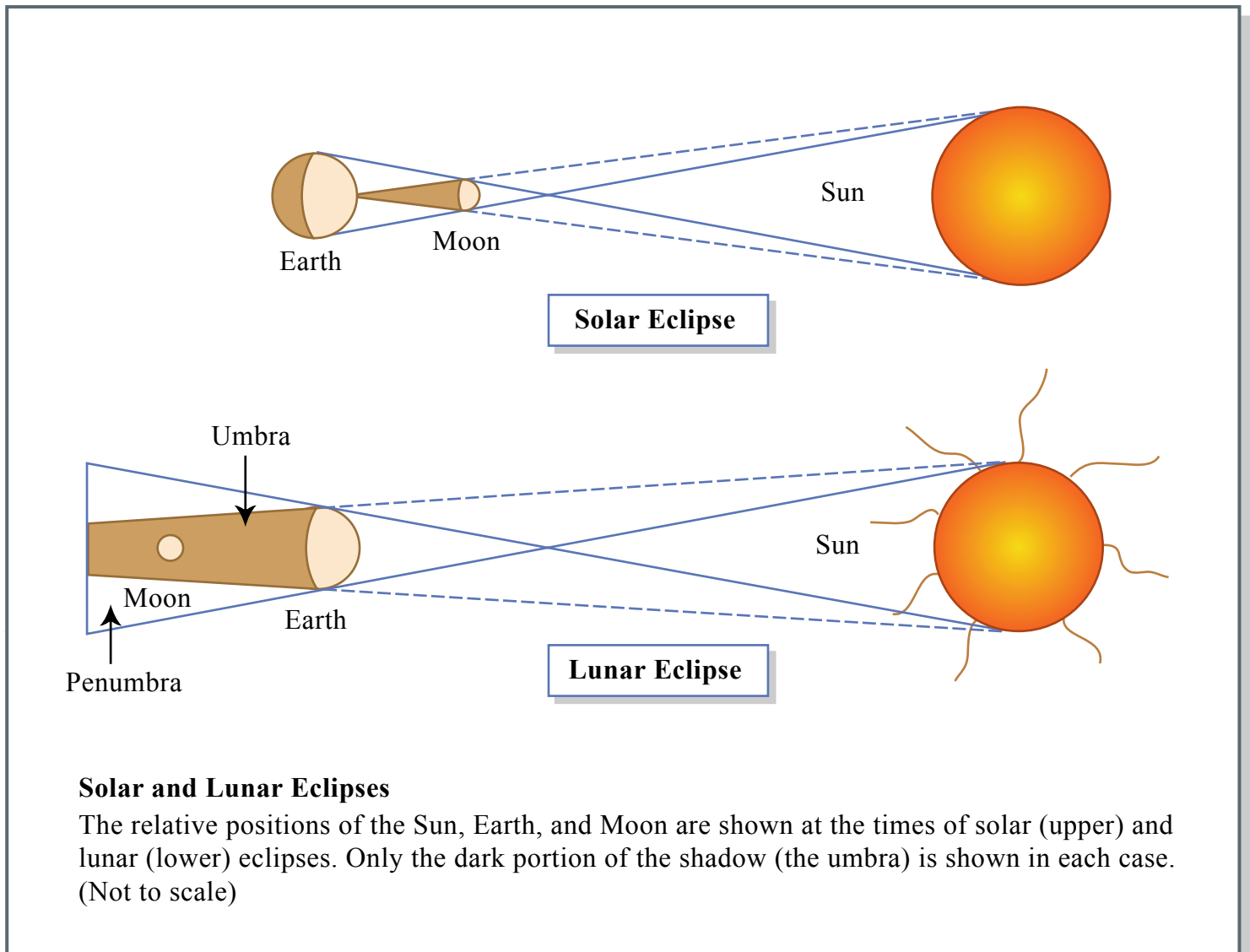


Figure by MIT OCW.

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Solar and Lunar Eclipses

The relative positions of the Sun, Earth, and Moon are shown at the times of solar (upper) and lunar (lower) eclipses. Only the dark portion of the shadow (the umbra) is shown in each case. (Not to scale)

Figure by MIT OCW.

Seasons

Caused by the 23.5 degree tilt of the Earth's axis with respect to the normal vector of its orbit plane.

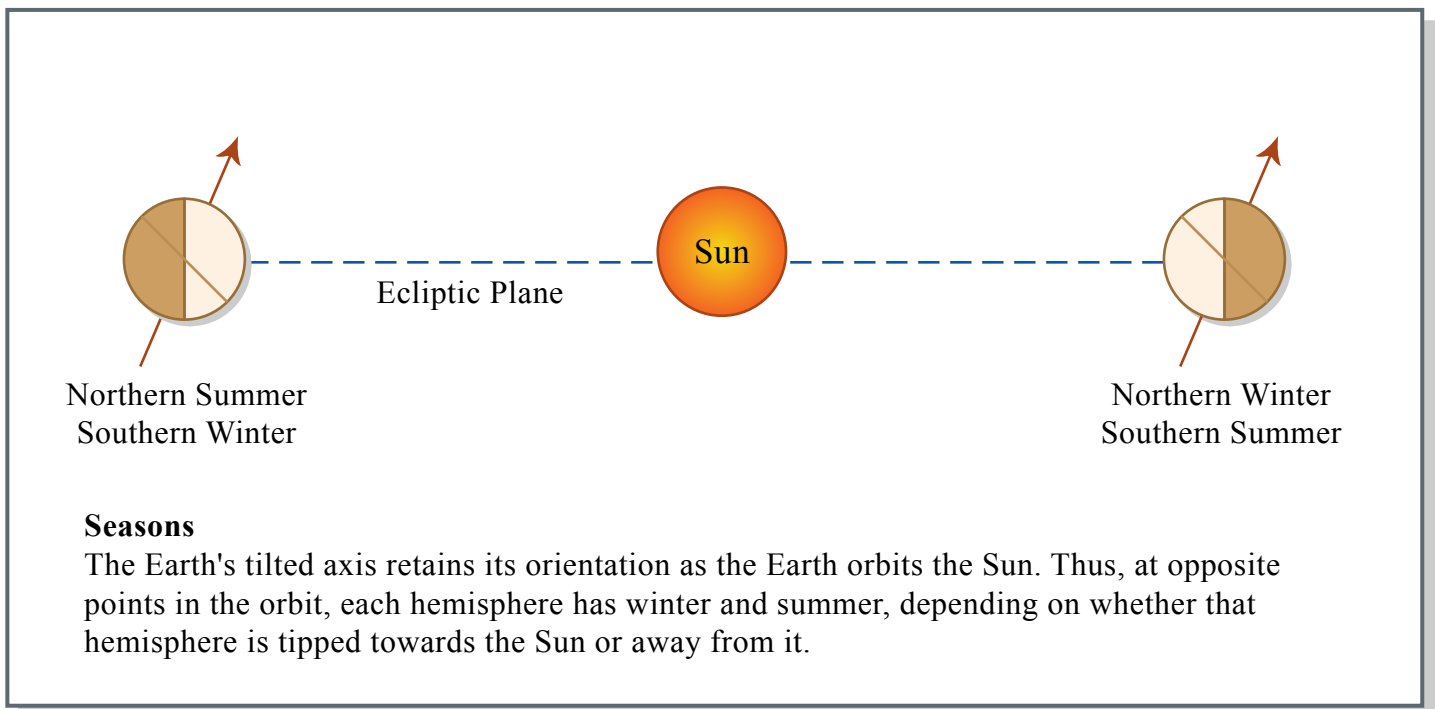


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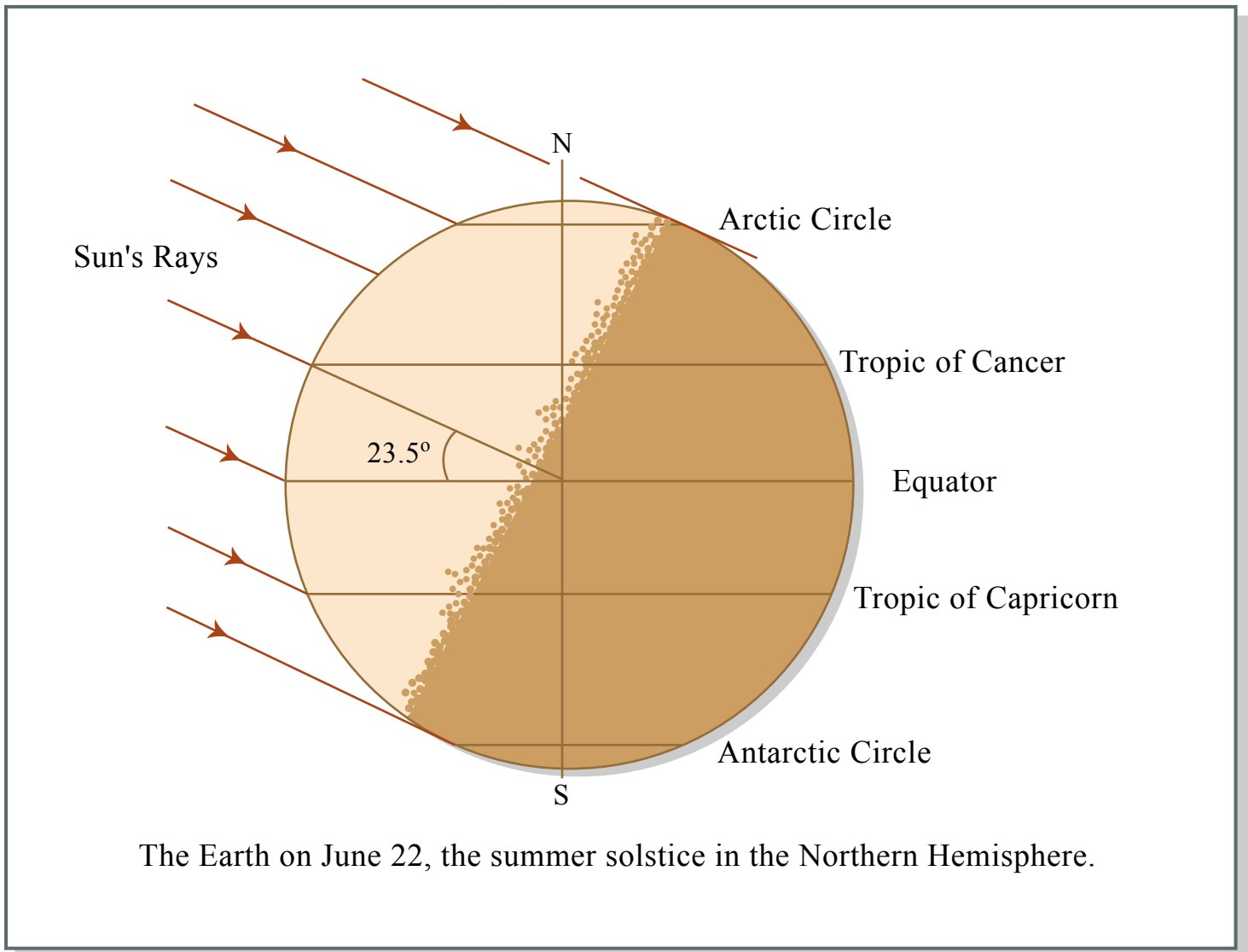


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