

Grade 8 Space Test

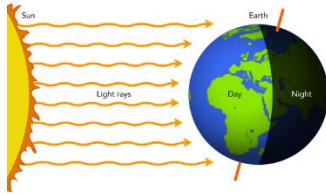
Outline Solutions

1) Order of the planets → Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune

2) Largest planet → Jupiter

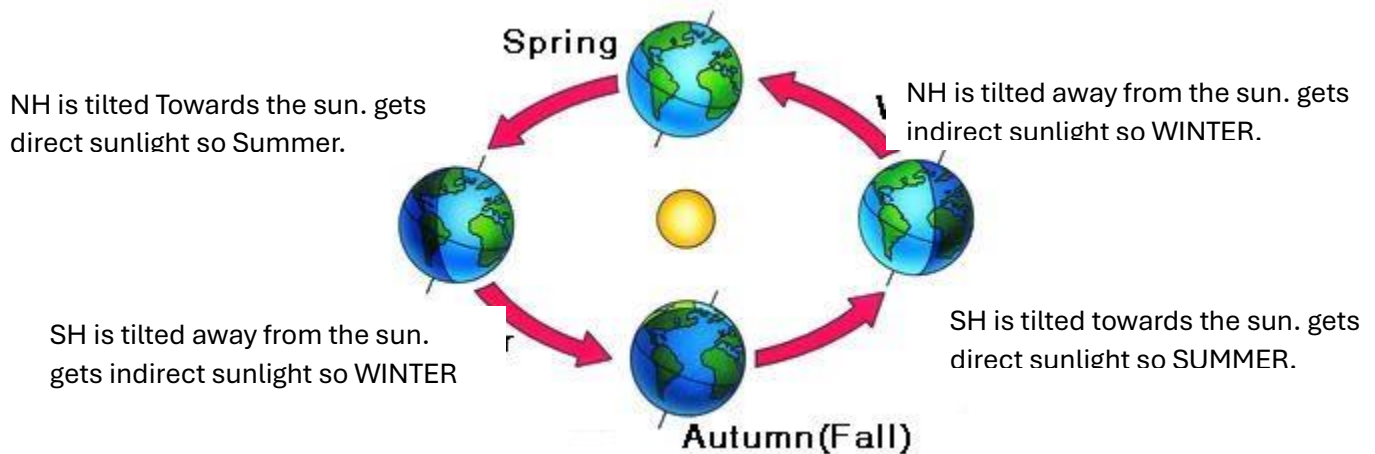
Smallest planet → Mercury

3) Reason for Day and night



Earth's rotation causes day & night. As the earth spins there is always half facing the sun which is having day. The back half of the earth is facing away from the sun and is experiencing night.

4) The reason for the season is the earth's revolutions and tilt.

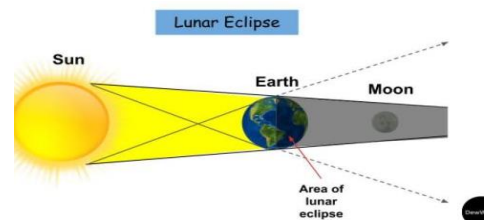


5) Orbital Period of Earth (Revolution period) → 365 days

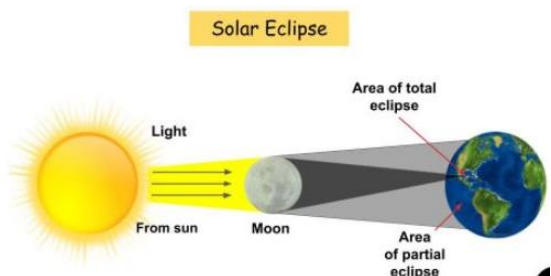
Rotational period of Earth → 24 hours (1 day)

Moon's orbital period → 29.5 days

6) Lunar Eclipse → Earth block the sun's light from reaching the moon



Solar Eclipse → Moon block the sun's light from reaching the Earth



- 7) First to walk on the moon → Neil Armstrong
“One small step for man, one giant leap for mankind.”
- 8) Moon → is nonluminous, is a natural satellite (orbits a planet)
Craters on the moon → dents in the surface that are caused by meteoroid or asteroids hitting it.
Earth's Atmosphere → Thin layer of gas that surround our planet and protects us from harmful UV rays.
- 9) Gravity → Invisible force that pulls to the center of the earth
Asteroid belt → airless worlds, too small to be called planets. Belt found between Mars & Jupiter
Meteoroids → Irregular shaped rocks that are broken pieces of comets.
Waxing → New moon begins and then see more and more.
Waning → Full moon then see less and less of the moon.
Astronomer → Person who studies objects beyond the universe.
Comets → chunks of ice/dust with very long orbitals.
Satellites → objects that orbit a planet (Our moon is a natural satellite)