

60

**Anchor Charts for**

SPACE

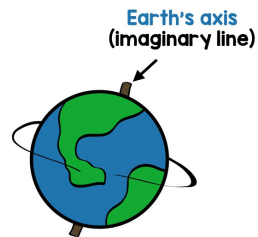
# Anchor Charts Cover:

- rotation and axis
- revolution
- Earth's rotation and revolution
- seasons
- summer solstice
- winter solstice
- vernal equinox
- autumnal equinox
- tides
- high and low tides
- daily and monthly tides
- spring and neap tides
- Earth's moon
- 8 phases of the moon:  
new moon, waxing crescent, first quarter, waxing gibbous, full moon, waning gibbous, third quarter, waning crescent

- eclipses
- solar and lunar eclipses
- total and partial eclipses
- umbra and penumbra
- what the solar system consists of
- the Sun
- the eight planets:  
Mercury, Venus, Earth,  
Mars, Jupiter, Saturn,  
Uranus, Neptune
- dwarf planets
- moons
- asteroids
- comets
- meteoroids
- meteors
- meteorites
- what makes a planet a planet
- inner and outer planets
- Earth - the goldilocks planet
- types of spacecraft used for space exploration

## Rotation

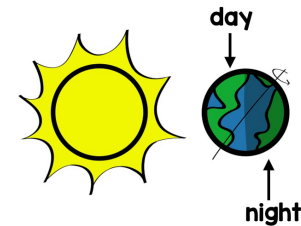
when the Earth, Moon, and Sun spin on their own axes (plural of axis)



An axis is an **imaginary line** that passes through the **center** which **something rotates**.

## Earth's Rotation gives us day and night

- **day**: rotated **toward** the Sun
- **night**: rotated **away** from the Sun



It takes **24 hours** (solar day) for Earth to make a **complete rotation** on its axis.

# Frame Size

# Third Quarter

one-half illuminated



illumination decreasing

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# Waning Crescent

partly lit: less than one-half



illumination decreasing

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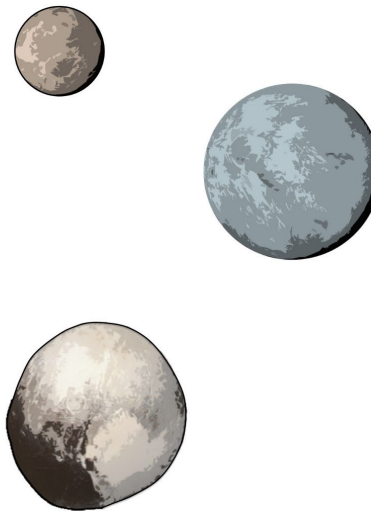
# Half-Sheet Size

# Dwarf Planets

enough mass for round shape, orbits the Sun, but hasn't cleared out other objects near its orbit

**Dwarf Planets in our Solar System:**

- Ceres
- Pluto
- Makemake
- Haumea
- Eris



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# Full-Sheet Size