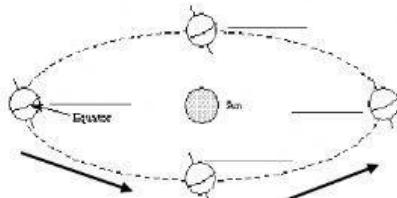


Seasons and Moon Phases

We Do

Label the diagram with the correct seasons. (HINT: start with winter and summer)



1. During which season would you expect to experience longer days (sunrise to sunset)? _____
2. During which season would you expect to experience shorter days (sunrise to sunset)? _____
3. The first day of fall and spring are called equinoxes. How many hours of daylight would you expect to experience on the equinoxes?
4. Which city would you expect to experience the most direct sunlight year-round? _____
5. Which city would you expect to experience the least direct sunlight year-round? _____
6. What would the Earth's seasons be like if the Earth was not tilted?



7. Where does the light that we see during moon phases come from?

Describe the arrangement of the Sun/Moon/Earth during:

8. New Moon:

9. Full Moon:

EXIT TICKET (Closing): How do the position of the Sun, Moon and Earth determine our seasons and moon phases?

Seasons and Moon Phases Essential Questions:

DAYS, NIGHTS, YEARS

- The Earth's _____ causes day and night to occur.
- The Earth rotates once every _____ hours.
- The Earth's _____ around the Sun is one year.
- Each year is _____ days.

TILT OF EARTH'S AXIS

- The Earth's axis is tilted by _____.
- The Earth's surface is also _____.
- These two factors contribute to Earth's _____.

UNEVEN HEATING

- The Earth's tilt causes some different _____ to get different amounts of heat.
- Hemispheres pointed _____ the Sun experience _____.
- Hemispheres pointed _____ from the Sun experience _____.

MOON PHASES

Write the name of the phase on the line and what we would see in the box:

