Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

HW 2: Seasons

In the space at the left, write true if the statement is true; if the statement is false,

change the italicized word or phrase to make it true.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_1. All societies base their calendars, and timekeeping systems on the *apparent motion of the Sun* and Moon.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_2. The Sun, Moon, and stars appear to rise in the east, and set in the west because of the rotation of *the Moon*.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_3. The period from one sunrise or sunset to the next is called the *solar day.*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_4. Annual variations in the length of the day and in temperatures are dependent on the *longitude* where you live.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_5. The plane of Earth’s orbit around the Sun is called the *solstice*.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_6. The seasons are caused by Earth's orbit around the Sun in combination with the *tilt of Earth's axis.*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_7 The hemisphere that is tilted toward the sun's experiences *winter.*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_8. A *solar eclipse* occurs when the Moon passes through Earth's shadow.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_9. On the *summer solstice*, the number of daylight hours for the northern hemisphere is at a maximum.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_10. During the northern hemisphere's summer, the sun appears *lower* in the sky than it does in winter.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_11. On the winter solstice, the number of, daylight hours is at its *minimum*.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_12. The lengths of day and night are equal for *both the northern and Southern hemispheres* on the vernal equinox.

Below: Diagram the Sun, and Earth (show the axis of the Earth and the equator)

at the 4 different seasons. (there should be 4 different diagrams of the earth)

Label them the season and what equinox or solstice it is at.

1. summer

2. fall

3. winter

4. spring