

Moon/Earth Partner Practice

1. What is the difference between *rotation* and *revolution*?
1. *Rotation* is the spinning of an object on its axis. *Revolution* is the circling of an object around another body.
2. When do we see a *solar eclipse*?
2. A *solar eclipse* occurs when the moon passes between the earth and the sun, blocking the sun and shadowing the Earth.
3. When do we see a *lunar eclipse*?
3. A *lunar eclipse* occurs when Earth is between the moon and the sun and Earth blocks the sunlight from reaching the moon.
4. What causes *tides*?
4. *Tides* occur mainly because of the pull of gravity by the moon on parts of Earth.
5. What is a *satellite*?
5. A *satellite* is any natural or manmade object that revolves around another.
6. What causes the difference between *winter* and *summer* on the Earth?
6. *Summer* is caused by direct sun rays and more hours of daylight. *Winter*, by indirect sun rays and less hours of light.
7. Name the *moon phases* or shapes the moon appears to have in order.
7. The *moon phases* are: the new moon, waxing crescent, first quarter, waxing gibbous, full moon, waning gibbous, Third quarter, and waning crescent.
8. Explain the differences between the summer and winter *solstices* and the vernal and autumnal *equinoxes*?
8. *Solstices* are when the noon sun is overhead at 23.5 degrees at the equator. The *equinoxes* are when the sun is directly overhead at the equator and when day and night are equal.
9. What is an *axis*?
9. An *axis* is an imaginary line running through the center of an object.
10. What does *orbit* mean?
10. An *orbit* is the path a planet or object takes during its revolution.