TIDES

* Tides happen every day.

* We have ___high___ tide and ___low___ tide every ___6___ hours.

* Tides happen because of the ___moon___’s pull on the water and by the wind.

* High tide happens when the ___moon___ is over water. Low tide happens when the moon is over ___land___.

Study Guide for Cycles

Keep this to study for the test.
Day Cycle

This cycle has two parts: day and night.

Each part is 12 hours long making the total cycle 24 hours long.

The Earth rotates from west to east and causes this cycle. However, the SUN will rise in the east and set in the west.

When it is day in the Western Hemisphere, it is night in the Eastern Hemisphere.

Seasons Cycle

This cycle has four parts: spring, summer, autumn, and winter. Each part lasts for about 3 months.

The whole cycle takes 365 ¼ days or one year.

The tilt of the Earth's axis as it revolves around the sun causes this cycle.

At the equator, the Earth is always hot and does not have four seasons. At the north and south poles, spring and autumn are very short.

The seasons are reversed in the Northern and Southern hemispheres.

Moon Cycle

The moon cycle takes 29 ½ days.

The moon is either waxing to a full moon or waning to the new moon.

The full moon is the large round shape in the night sky. A new moon is when no moon is seen in the night sky.

The cycle begins with the new moon.

Because the moon looks like it is growing in the sky, we then have waxing crescent, waxing first quarter, waxing gibbous, and then the full moon.

Next, the moon looks like it is getting smaller in the sky. From the FULL MOON, we have waning gibbous, waning third quarter, waning crescent, and back to the new moon.

The moon's light is just the reflection of the sun's light.