Name				

Moon Phases and Seasons Study Guide

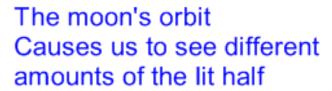
How is it the moon stays lit in the night sky?

It reflects the Sun's light

What two forces keep the moon in orbit around the Earth?

Forward momentum gravity





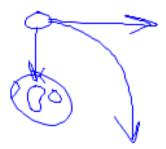
How long does it take the moon to orbit the Earth?27_days
How long does it take the moon to complete one rotation? 27 days
How long is one complete moon cycle? 29.5 days
How long does it take the moon to complete one rotation? 27 days How long is one complete moon cycle? 29.5 days How long does it take the Earth to make one complete rotation? 24 hrs
How long does it take the Earth to make one complete revolution? 365 days
,

What causes day and night on Earth?

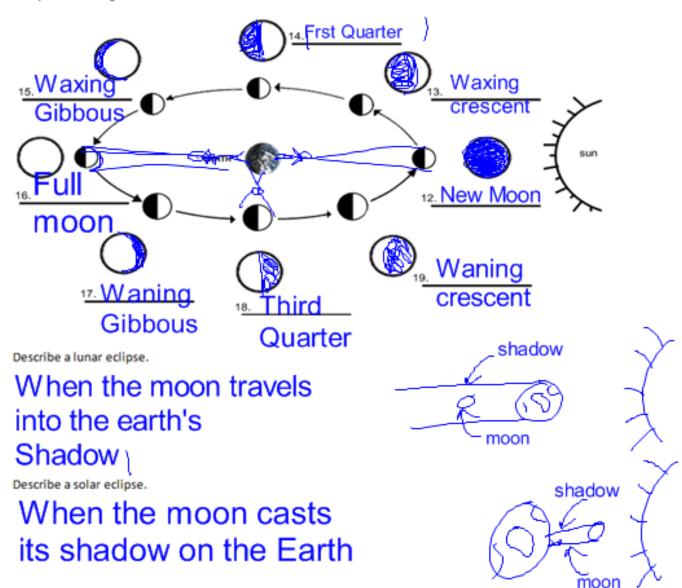
The rotation on our axis

Describe the movement of the Earth, Moon and Sun.

The moon travels around the Earth The earth travels around the sun The sun doesn't move.



Complete the diagram.



What is it that causes the seasons?

The tilt of the Earth

How much is the Earth tilted? 23.5 degrees

Why is it hotter during the summer?

The Earth is tilted toward the sun causing more direct sun light

Describe the Summer Solstice.

longest day / shortest night happens in June

Describe the Winter Solstice.

shortest day / longest night happens in December

Describe the Vernal and Autumnal Equinoxes

Equal day & Night Autumnal-Sept. Vernal-March

Label the correct season for each position in the diagram for both hemispheres.



