

Name: _____

The Sun-Earth-Moon System Vocabulary

Make sure you write each word neatly and spell it correctly. Explain the meaning and include a drawing to show the meaning.

word	meaning	illustration

word	meaning	illustration

phase

the lit part of the moon or a planet that can be seen from earth

waxing phase

phases of the moon during which more of the moon's near side is lit each night

waning phase

phases of the moon during which less of the moon's near side is lit each night

umbra

the central, darker part of a shadow where light is totally blocked

penumbra

the lighter part of a shadow where light is partially blocked

solar eclipse

an occurrence during which the moon's shadow appears on earth's surface

rotation

the spin of an object around its axis

rotation axis

the line on which an object rotates

orbit

the path an object follows as it moves around another object

revolution

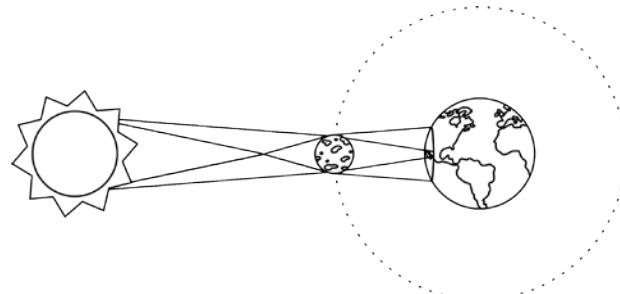
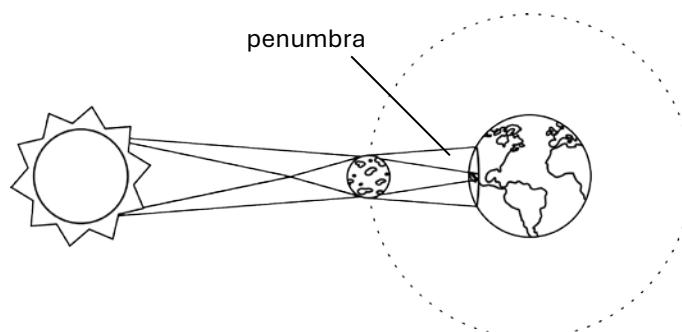
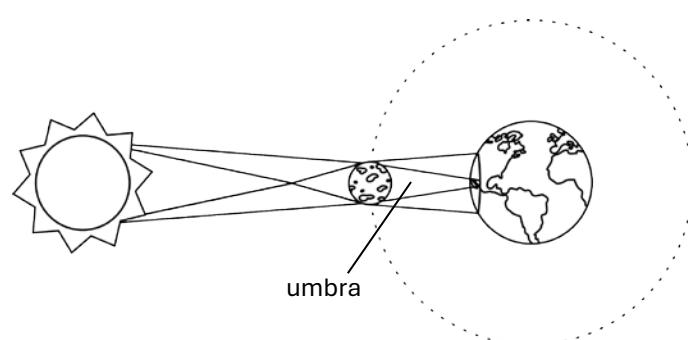
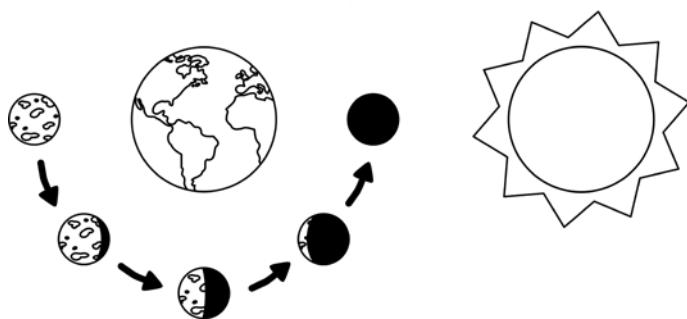
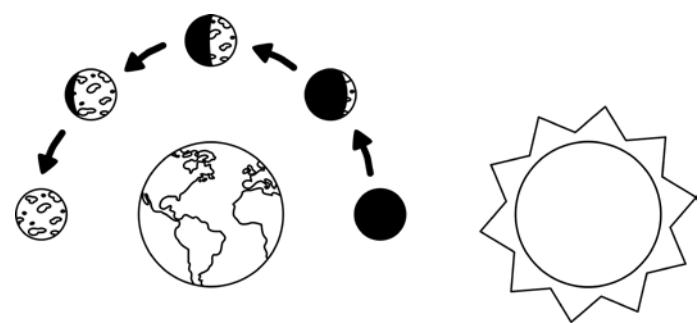
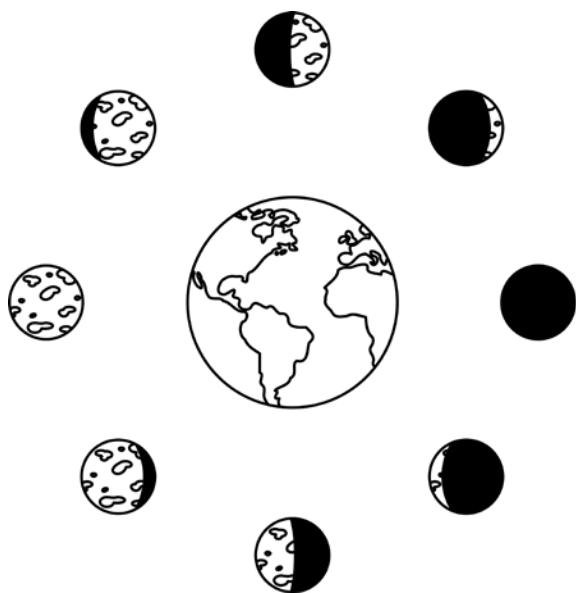
the orbit of one object around another object

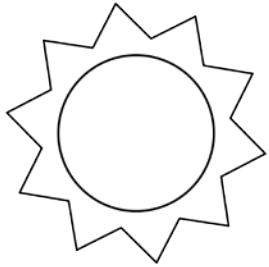
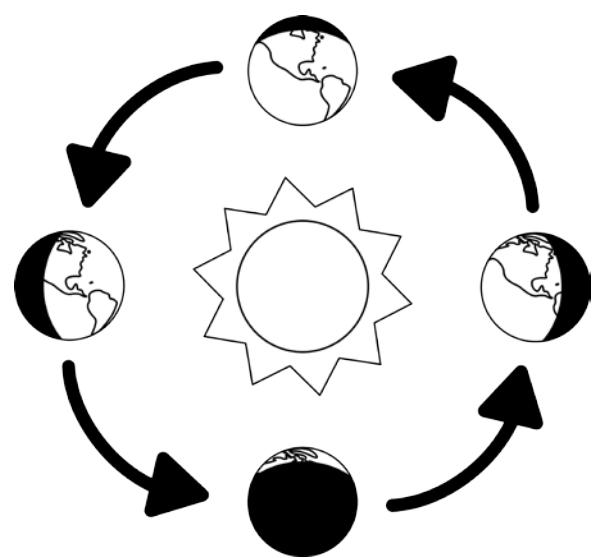
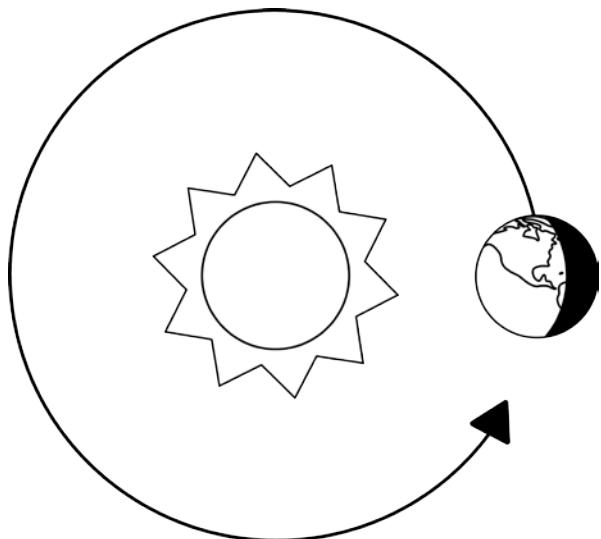
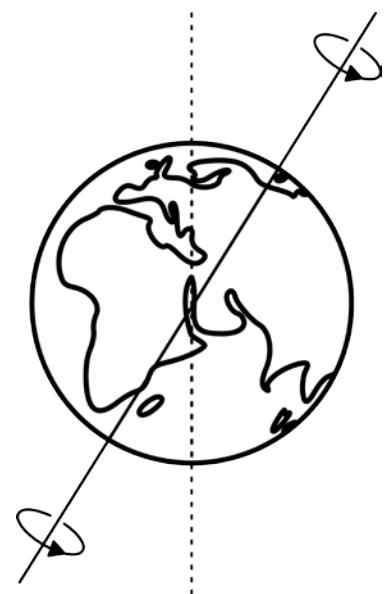
solstice

when earth's rotation axis is tilted directly toward or away from the sun

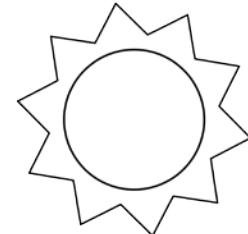
equinox

when earth's rotation axis is tilted neither toward nor away from the sun





equinox



Name: _____

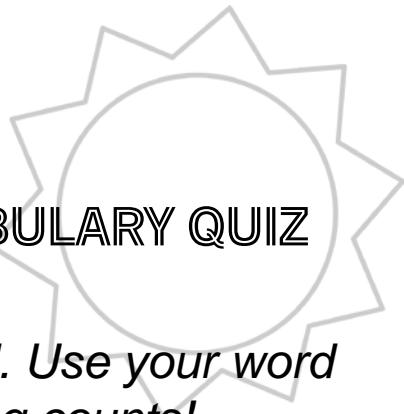
The Sun-Earth-Moon System Vocabulary

Make sure you write each word neatly and spell it correctly. Explain the meaning and include a drawing to show the meaning.

word	meaning	illustration
solstice	_____ 's path is farthest from the _____	
equinox	the _____ is right over the _____	
rotation	when earth _____ on its axis (it spins 1 time every _____ hours)	
rotation axis	the imaginary _____ the earth spins on	
orbit	the _____ the earth takes around the _____	
revolution	when _____ orbits around the _____ (takes 365.25 days for 1 orbit)	

word	meaning	illustration
phase	the lit part of the _____ that can be seen from the earth	
waxing phase	phases of the moon when _____ of the lit side is seen every night	
waning phase	phases of the moon when _____ of the lit side is seen every night	
umbra	the central, _____ part of a shadow where _____ is totally blocked	
penumbra	the _____ part of a shadow where _____ is partially blocked	
solar eclipse	when the _____'s shadow appears on the earth's surface	
lunar eclipse	when the _____'s shadow appears on the moon's surface	

Name: _____



THE SUN-EARTH-MOON SYSTEM VOCABULARY QUIZ

Fill in each blank with the correct vocabulary word. Use your word bank to help you spell each word correctly. Spelling counts!

The summer and winter _____ occur when the earth's path is farthest from the sun.

An _____ occurs when the sun is right over the equator.

A _____ of the earth occurs one time every 24 hours. (spinning)

The _____ is the imaginary line the earth spins on.

The earth's _____ is the path the earth takes around the sun.

One _____ around the sun takes the earth 365.25 days.



Look at the lit part of the moon to determine the moon's _____.

When the lit part of the moon is increasing each night, it is in the _____ phase.

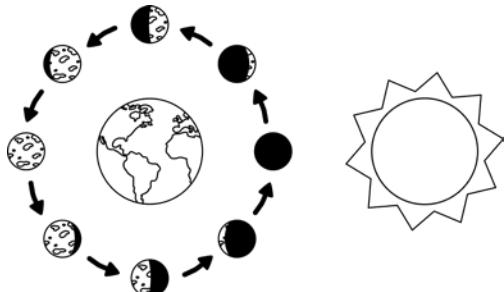
When the lit part of the moon is decreasing each night, it is in the _____ phase.

The _____ is the darkest part of a shadow. During an eclipse, this is what causes a total solar eclipse.

The prefix in the word _____ means almost or partially. This shadow causes partial solar eclipses.

A _____ occurs when the moon passes between the earth and sun. The sun cannot be seen during the day from a small part of earth.

A _____ occurs when the earth passes between the moon and sun, casting a shadow on the moon. This occurs at night.



Before you turn in your work:

- Is your name on your paper?
- Did you check the spelling?
- Did you use each word one time?

SUN-MOON-EARTH WORD BANK

equinox
lunar eclipse
orbit
penumbra
phase
revolution
rotation
rotation axis
solar eclipse
solstice
umbra
waxing
waning

SUN-MOON-EARTH WORD BANK

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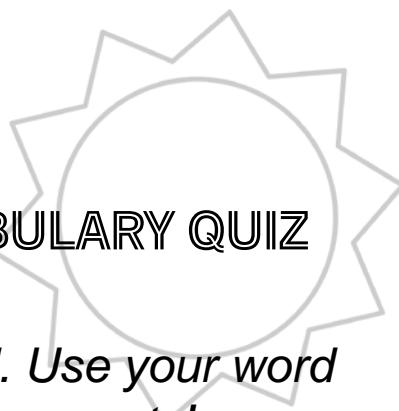
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Name: _____



THE SUN-EARTH-MOON SYSTEM VOCABULARY QUIZ



Fill in each blank with the correct vocabulary word. Use your word bank to help you spell each word correctly. Spelling counts!

The summer and winter _____ occur when the earth's path is farthest from the sun.

orbit solstice phase

An _____ occurs when the sun is right over the equator.

rotation waning equinox

A _____ of the earth occurs one time every 24 hours. (spinning)

rotation lunar eclipse waxing

The _____ is the imaginary line the earth spins on.

solar eclipse rotation axis waning

The earth's _____ is the path the earth takes around the sun.

orbit waxing equinox

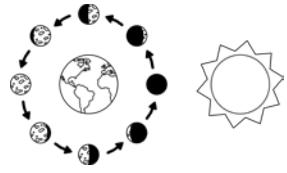


One _____ around the sun takes the earth 365.25 days.

solstice revolution phase

Look at the lit part of the moon to determine the moon's _____.

phase *equinox* *rotation*



When the lit part of the moon is increasing each night, it is in the _____ phase.

umbra *solstice* *waxing*

When the lit part of the moon is decreasing each night, it is in the _____ phase.

waning *equinox* *solar eclipse*

The _____ is the darkest part of a shadow. During an eclipse, this is what causes a total solar eclipse.

rotation *umbra* *solstice*

The prefix in the word _____ means almost or partially. This shadow causes partial solar eclipses.

penumbra *orbit* *revolution*

A _____ occurs when the moon passes between the earth and sun. The sun cannot be seen during the day from a small part of earth.

waning *phase* *solar eclipse*

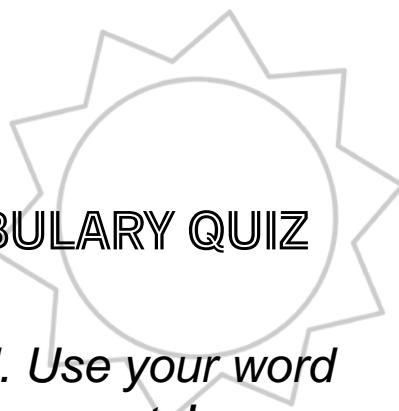
A _____ occurs when the earth passes between the moon and sun, casting a shadow on the moon. This occurs at night.

rotation *waning* *lunar eclipse*

Name: _____



THE SUN-EARTH-MOON SYSTEM VOCABULARY QUIZ



Fill in each blank with the correct vocabulary word. Use your word bank to help you spell each word correctly. Spelling counts!

The summer and winter _____ occur when the earth's path is farthest from the sun.

orbit *solstice*

An _____ occurs when the sun is right over the equator.

rotation *equinox*

A _____ of the earth occurs one time every 24 hours. (spinning)

rotation *lunar eclipse*

The _____ is the imaginary line the earth spins on.

rotation axis *waning*

The earth's _____ is the path the earth takes around the sun.

orbit *waxing*

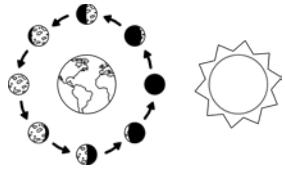


One _____ around the sun takes the earth 365.25 days.

revolution *phase*

Look at the lit part of the moon to determine the moon's _____.

phase *equinox*



When the lit part of the moon is increasing each night, it is in the _____ phase.

umbra *waxing*

When the lit part of the moon is decreasing each night, it is in the _____ phase.

waning *equinox*

The _____ is the darkest part of a shadow. During an eclipse, this is what causes a total solar eclipse.

umbra *solstice*

The prefix in the word _____ means almost or partially. This shadow causes partial solar eclipses.

penumbra *orbit*

A _____ occurs when the moon passes between the earth and sun. The sun cannot be seen during the day from a small part of earth.

phase *solar eclipse*

A _____ occurs when the earth passes between the moon and sun, casting a shadow on the moon. This occurs at night.

waning *lunar eclipse*