

Chapter 17 Study Guide EARTH IN SPACE

Name _____ Date _____

Vocabulary:

Write the definitions for the vocabulary words: Use the vocab cards or the textbook.

Space probe

Rotation

Axis

Revolution

Solar system

Satellite

Asteroid

Moon phases

Revolution

What is the shape of the orbit that the Earth takes around the sun? (Earth's Orbit)

What is similar about all of the outer planets except Pluto? (548-5)

What causes the seasons on the earth and temperatures in the polar regions to remain so cold? (Earth's Comfortable Temperature)

Remember this sentence: It's the _____, not the distance that affects the seasons. (546)

How are all the inner planets alike? (548-551)

Name the planets in order from the sun. (548)

What is the sentence you would use to help you remember the order of the planets?

How long is one day? _____

In one day, the earth makes one _____ on its _____. (544)

Explain what a “shooting star” is in a complete sentence. (555)

Define the following words: (555)

Meteoroid-

Meteor-

Fireballs-

Meteor shower-

Meteorite-

THIS SECTION IS ON THE MOON.

The moon is full of craters. Why are there so many craters and why do they never disappear from the surface of the moon?(556)

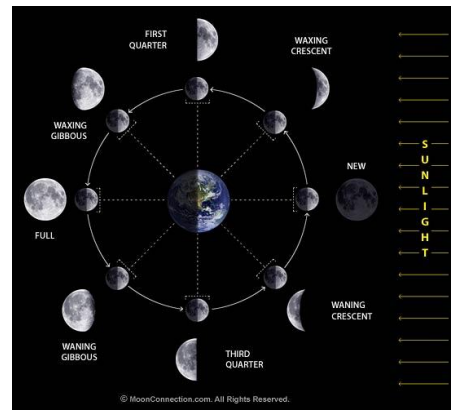
Describe each moon phase---(559)

New moon-

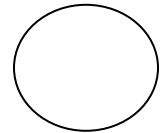
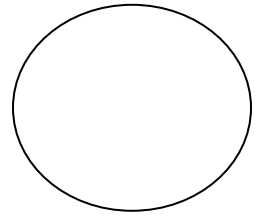
Crescent moon-

First quarter-

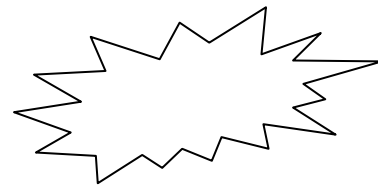
Full moon-



Draw the position of the sun- moon-earth during full moon phase.



Draw the position of the sun-moon-earth during New Moon phase.



What causes the planets to have years of different lengths?(548)

Draw a comet and label the 4 parts:

Ion tail

Dust tail

Nucleus

Coma

Which part exists all the time?(552-5530)

Which 3 parts are seen only when the comet comes close to the sun? (552-553)

1.

2.

3.

DRAW-----What is the position of the sun –moon-earth during these tides?

High tide

Low tide

