

Grade 3 – Assignment for week of (5/11 to 5/15)

The Earth's Moon:

Last week we learned about planet Earth and this week we will focus on another object in space called the Earth's Moon.

Science Vocabulary:

| | |
|---------------|----------------------------------------------------------------------|
| Earth: | The 3 rd planet from the Sun; also called the blue planet |
| Moon: | A large object that orbits Earth about once a month |
| Phase: | The shape of the moon that we can see from the Earth |
| New Moon: | A phase of the moon that we cannot see from the Earth |
| Gibbous Moon: | A phase of the moon between a half moon and a full moon |

Task #1: Vocabulary Art-

Choose (3) of the science vocabulary words, and create word art. Word art is where you use drawing to make a picture of the vocabulary word that shows what the word means.

See below an example for the science vocabulary word **Earth**:



Task #2:

Read the page below entitled, "The Phases of the Moon" and use it and your science vocabulary to answer the questions on the following page entitled, "Moon Activity Sheet."

Name _____

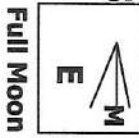
The Phases of the Moon

Date _____

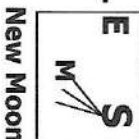
The moon is Earth's only natural satellite. The moon is a cold, dry sphere covered with craters and littered with rocks and dust, called regolith. The moon has no atmosphere. Recent lunar missions indicate that there might be some frozen ice at the poles.

The **moon revolves around the Earth** in about one month (27 days 8 hours). It rotates around its own axis in the same amount of time. The same side of the moon always faces the Earth.

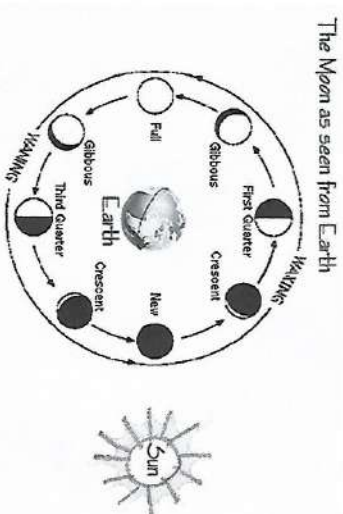
As the moon circles the Earth, **the shape of the moon appears to change**; this is because different amounts of the lit up part of the moon are facing us. The shape varies from a full moon (when the Earth is between the sun and the moon) **S** to a new moon (when the moon is between the sun and the Earth).



Full Moon



New Moon



NEW MOON

The **new moon** is the phase of the moon when the moon is **not visible from Earth**, because the side of the moon that is facing us is not being lit by the sun.



A crescent moon is part way between a half moon and a new moon, or between a new moon and a half moon.

CRESCENT MOON



HALF MOON

A half moon looks like half a circle.



GIBBOUS MOON

A **gibbous moon** is between a full moon and a half moon, or between a half moon and a full moon.



FULL MOON

A full moon appears as an entire circle in the sky.

Task #3:

Use the information from the previous page called, "The Phases of the Moon," and your vocabulary to answer the questions below on the page entitled, "Moon Activity Sheet."

Name _____ **Moon Activity Sheet** Date _____

- Answer questions (1-4) using the moon information sheet.

1. Use a sentence to tell how long it takes the moon to revolve around the Earth:

2. Use a sentence to tell why the moon's shape seems to change during the month:

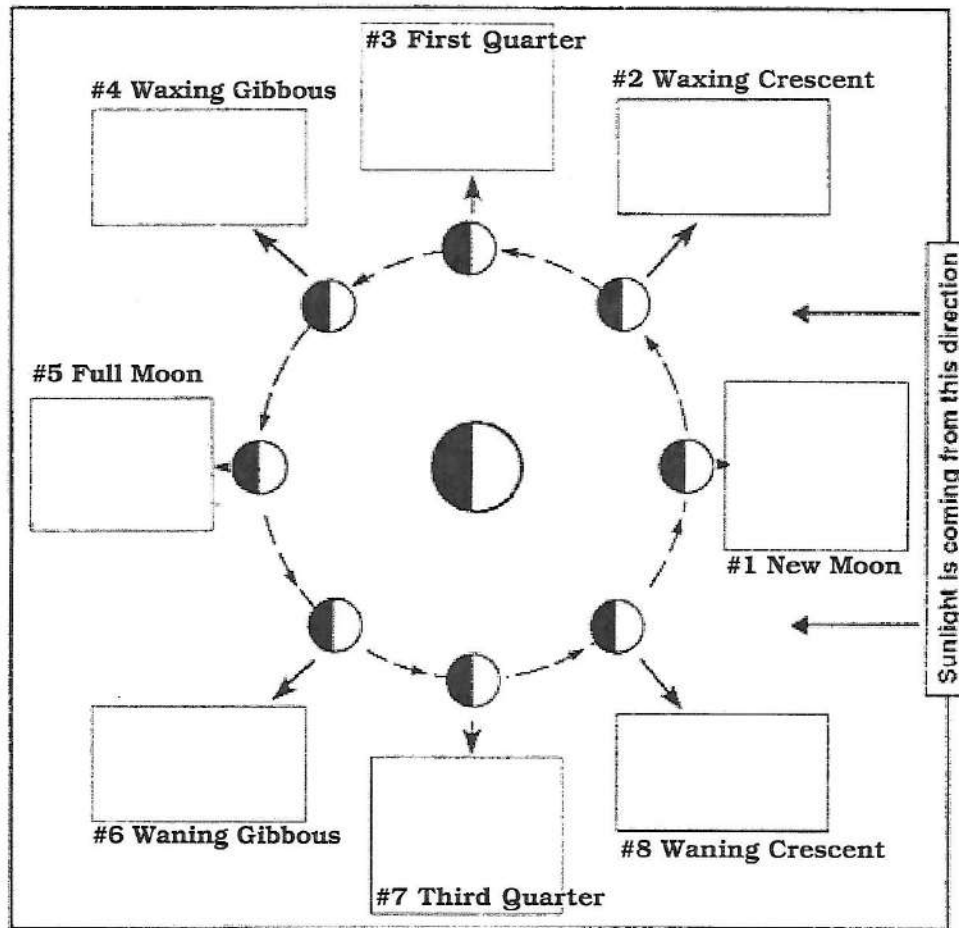
3. Use a sentence to tell why the new moon phase is not visible from Earth:

4. Use a sentence to tell what the Gibbous moon phase looks like:

Task #4:

Use what you have learned so far to correctly draw the phases or shapes of the moon in the correct boxes (#1 to #8). The (8) small pictures of the moon phases are shown at the bottom of the page in the correct order.

Name _____ Class _____



Directions:

1. Observe the pictures of the moon phases below.
2. Draw the correct moon phase in the correct position above.

