Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Match the phases of the moon (A) with their description.

**Moon Phases :Column A Description : Column B**

\_\_\_ 1. waxing crescent A. moon between sun and Earth

\_\_\_ 2. half moon appears and B. lighted area becomes smaller

 waxing gibbous begins C. lighted area becomes larger

\_\_\_ 3. waning crescent D. first quarter phase

\_\_\_ 4. new moon E. Earth between moon and sun.

\_\_\_ 5. blue moon F. a rare occurrence

\_\_\_ 6. full moon and waning

 gibbous begins

1. Read pgs. 113-119 in Exploring the Universe. List 10 things you found out about the moon. Share with your table group.

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_

1. **THE MOON**

The moon’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is only on sixth of Earth’s. The moon is a dry, airless, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_world. The mountain ranges on the moon are called the \_\_\_\_\_\_\_\_\_\_\_\_\_. The broad, smooth, lowland plains are the \_\_\_\_\_\_\_\_\_\_\_. Scientists think that craters were formed by the continuous \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_of meteorites. The moon once had active volcanoes or \_\_\_\_\_\_\_\_\_\_. The moon revolves around the sun in an \_\_\_\_\_\_\_\_\_orbit. Perigee is the point of the moon’s orbit closes to the Earth. \_\_\_\_\_\_\_\_is the point farthest from the Earth. The moon rotates on its axis every \_\_\_\_\_\_\_days. This is the same amount of time it takes to \_\_\_\_\_\_\_once around the Earth. Thus the moon’s \_\_\_\_\_\_\_\_\_\_is the same as its period of \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. **PHASES OF THE MOON**

The moon does not \_\_\_\_\_\_\_\_by its own light. The moon reflects the \_\_\_\_\_\_\_\_\_toward the Earth. The phase of the moon you see depends on where the moon is in relation to the \_\_\_\_\_\_\_\_and to \_\_\_\_\_\_\_\_. When the moon comes \_\_\_\_\_\_the sun and the Earth, the moon is not visible in the sky. This is called the \_\_\_\_\_moon. As the moon continues to move more of the \_\_\_\_\_\_\_side becomes visible. The first slim, curved slice is the \_\_\_\_\_\_\_crescent. After a week the moon has traveled a \_\_\_\_\_\_\_of the way around the Earth. Half of the moon appears to be \_\_\_\_\_\_\_\_\_\_. After 2 weeks the entire moon is \_\_\_\_\_\_\_\_\_\_. The Earth is \_\_\_\_\_\_\_\_\_the moon and the sun. The moon takes another 2 weeks to pass through the \_\_\_\_\_\_\_-gibbous, last quarter and \_\_\_\_\_\_\_\_-crescent phases, and back to the new moon.

1. **Draw the 8 phases of the moon in order. Begin with the new moon.**