

CHAPTER 1: Exploring the Moon

1. Describe the appearance and location of Mare Crisium.

2. Where did the first moon landing take place? _____

3. Describe the appearance and location of the Sea of Tranquility.

4. Two craters on the moon named after famous astronomers are _____
and _____.

5. How much larger is the sun than the moon?

6. If the sun is much larger than the moon, how can the moon eclipse the sun?

7. What causes tides? Under what circumstances does highest high tide (spring tide) occur?

8. Contrast a waxing crescent moon with a waning gibbous moon.

9. What is the time from new moon to new moon? _____
10. What is the average distance from the earth to the moon? _____
11. The strength of the moon's gravity is about _____ the earth's gravity.
12. What does "albedo" describe? Compare the earth's albedo to the albedo of the moon.

CHAPTER 2: Mars

1. What are the “aster planetes”?

2. What is the name of the fourth planet from the sun? _____

3. List two features of Mars that are similar to Earth.

4. What was the primary difference between Ptolemy’s model and Copernicus’ model of the planetary system?

5. Galileo developed this tool and Christiaan Huygens improved it: _____

6. Asaph Hall was the first to view two moons of Mars. He named them _____ and _____, which were suitable names to accompany Mars, the god of _____.

7. In 1877 Giovanni Schiaparelli marked narrow, dark lines on his map of the surface of Mars and called them *canali*. What did the photographs taken by *Mariner 9* in 1971 reveal?
