

Name: \_\_\_\_\_  
Date Started: \_\_\_\_\_ Date Completed: \_\_\_\_\_ Score: \_\_\_\_\_

### Learning Activity Sheet Other Members of the Solar System

**Directions:** Read and analyze the following questions. Circle the letter of the correct answer.

1. Which of the following is the biggest asteroid?  
A. Ceres                      B. Ida1                      C. Juno1                      D. Pallas
2. What part of a comet points directly away from the Sun?  
A. nucleus                      B. coma                      C. Tail                      D. none of the choices
3. What region defines the outer limits of the solar system?  
A. asteroid belt                      B. Trojan asteroids                      C. Kuiper belt                      D. Oort cloud
4. What do we call a small piece of solar system fragment found on Earth?  
A. comet                      B. asteroid                      C. Meteorite                      D. all of the choices
5. Which of the following has been pulled into Earth's gravity and entered the atmosphere but has not yet landed on Earth?  
A. meteor                      B. asteroid                      C. Comet                      D. meteorite
6. What generally happens when a comet approaches the Sun?  
A. It freezes.  
B. Its gas burns up.  
C. It becomes an asteroid.  
D. It becomes a meteorite..
7. Which of the following statements is NOT true about asteroids?  
A. They appear to be irregularly shaped chunks of rock and metallic substances.  
B. Some asteroids are large enough to have atmospheres.  
C. They all seem to revolve around the Sun in the same direction as the larger planets.  
D. All of the above statements are true.
8. Which of the following statements is NOT true about comets?  
A. They are ice, dust, and small rocky particles that have long elliptical-shaped orbits.  
B. As they go near the Sun, gas and dust stream outward, forming a tail.  
C. They are found between the Kuiper belt and Oort cloud, which are beyond Neptune.  
D. They are rocky objects that revolve around the Sun between Mars and Jupiter.
9. What does it mean when you see a meteor shower?  
A. The solar wind is unusually strong.  
B. Earth is crossing the orbit of a comet.  
C. An Earth-approaching asteroid has recently come very close to our planet.  
D. You should duck and run for cover to avoid being blasted on the head by a rock from space
10. Suppose you found a meteorite made almost entirely of metal. According to current science, which of the following statements must be true?  
A. Your meteorite was blasted off the surface of Mars by an impact.  
B. Your meteorite is a fragment from the core of a large asteroid that broke up in a collision.  
C. Your meteorite is a fragment of an object from the Kuiper belt.  
D. Your meteorite is a fragment of an object from Oort cloud.