

SCI180U03 VOCABULARY			
asteroid	comet	Kuiper Belt	meteor
Oort Cloud	meteorite	ion tail	impact crater
comet nucleus	coma	dust tail	orbit
ejecta	shooting star	asteroid belt	Cere

Check Your Vocabulary

Use the vocabulary words above to complete the following sentences correctly.

1. A _____ is a term used for meteor.
2. A _____ is a medium-sized rocky object orbiting the Sun; smaller than a planet, larger than a meteoroid.
3. A _____ is the (usually elliptical) path described by one celestial body in its revolution about another.
4. The _____ is the dividing line between the inner planets and the outer planets in our solar system. It is the region of the solar system, between the orbits of Mars and Jupiter, in which most asteroids are found.
5. A _____ is a large spherical cloud of billions to trillions of comets surrounding the Sun at distances between roughly 50,000 to 100,000 AU from the Sun. It has not been directly observed; its presence is inferred from the behavior and orbits of the long period comets.
6. A _____ is a streak of light in the sky at night that results when a meteoroid hits the earth's atmosphere and air friction causes the meteoroid to melt or vaporize or explode.
7. Matter that has fallen to the earth's surface from outer space is called a _____
8. The _____ is a large ring of icy, primitive objects beyond the orbit of Neptune. Kupier Belt objects are believed to be remnants of the original

material that formed the solar system. Some astronomers believe Pluto and Charon are Kuiper Belt objects.

9. An _____ is the remains of collisions between an asteroid, comet, or meteorite and the Earth.

10. _____ is one of the two tails of a comet made of ionized particles that points directly away from the Sun from the action of the solar wind. It has a bluish color from the emission lines mostly of ionized carbon monoxide.

11. _____ is the largest asteroid in our solar system.

12. A _____ is a relatively small extraterrestrial body consisting of a frozen mass that travels around the sun in a highly elliptical orbit.

13. A _____ is a diffuse, luminous cloud of dust and gas that develops around a comet's nucleus as it nears the sun.

14. _____ is material such as glass (melted silicon) and fragmented rock thrown out of an impact crater during its formation.

15. A _____ is one of the two tails of a comet made of dust grains that curves away from the Sun from the action of the photons in the sunlight pushing the dust grains away from Sun. It has a yellow-white color from reflected sunlight.

16. The _____ is the solid part of the comet containing ices and dust that is close to the Sun, the source of a coma, dust and plasma tails.

ANSWER KEY
1. shooting star
2. asteroid
3. orbit
4. asteroid belt
5. Oort Cloud
6. meteor
7. meteorite
8. Kuiper Belt
9. impact crater
10. ion tail
11. Ceres
12. comet
13. coma
14. ejecta
15. dust tail -

16 comet nucleus