

M O D E R N E A R T H S C I E N C E

Section 29.4

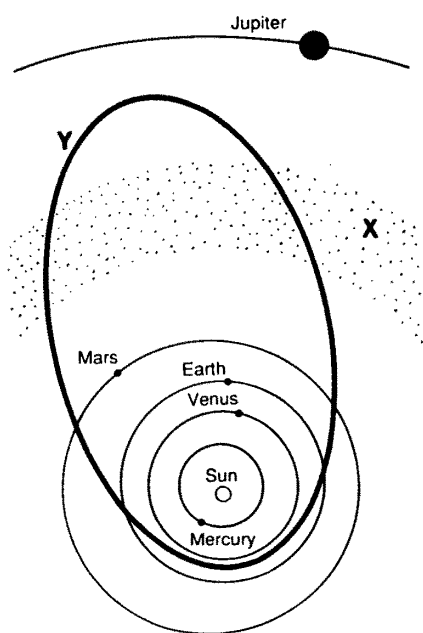
Asteroids, Comets, and Meteoroids

Read each statement below. If the statement is true, write *T* in the space provided. If the statement is false, write *F* in the space provided.

- _____ 1. Regardless of the direction in which a comet is traveling, its tail points away from the sun.
- _____ 2. All asteroids have the same composition.
- _____ 3. A fireball indicates that a meteorite is about to land somewhere on earth.
- _____ 4. Meteor showers occur when the earth's orbit intersects the orbits of comets.
- _____ 5. The trail of a comet can extend millions of kilometers behind it.

Complete each statement by writing the correct term or phrase in the space provided.

6. Small bits of rock or metal moving through the solar system are called _____ .
7. Generally, the type of meteorite that is easiest to find, due to its metallic appearance, is _____ .
8. The spherical cloud of gas and dust surrounding the nucleus of a comet is called _____ .



9. The area labeled X on the diagram represents the location of _____ .
10. The line labeled Y represents the orbit of a type of asteroid called _____ .