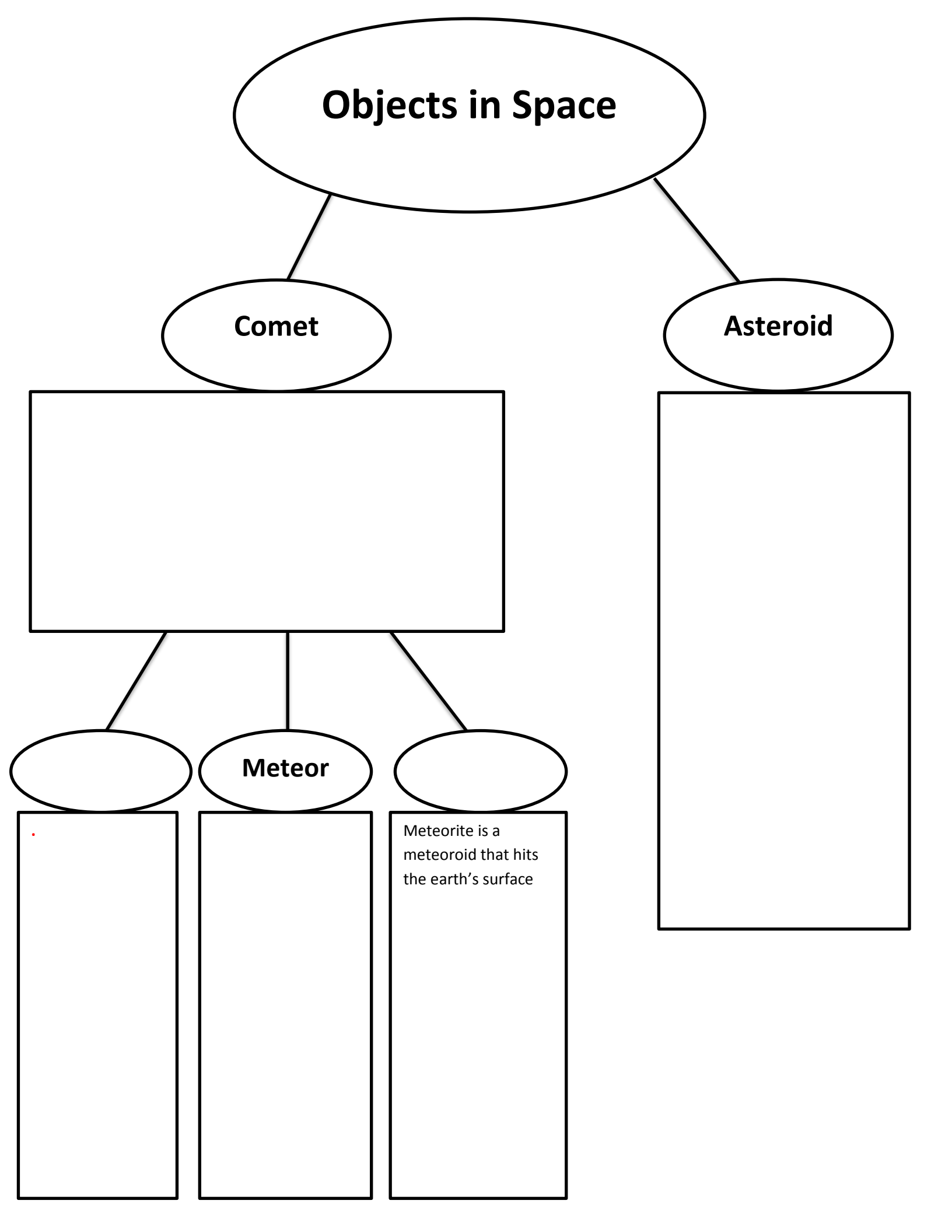

Objects in Space
Comet
Asteroid
Meteor
Meteorite is a meteoroid that hits the earth's surface

Objects in Space

Comet

-Comets are composed of dust and rock mixed with frozen water, methane, and ammonia

-Comets are considered to be like a large, dirty snowball

-When a comet nears the sun, some of it melts and forms a long tail (gases in the comet are vaporized by the sun)

-When a comet moves farther away from the sun, the tail disappears

Asteroid

A piece of rock similar to the material formed into planets.

An Asteroid is smaller than a planet but larger than a meteoroid

Most asteroids are located in an area between the orbits of Mars and Jupiter called the Asteroid Belt.

They are there because the gravity of Jupiter might have kept a planet from forming in the area

Meteoroid

Meteoroid is a "space rock" that is still in space

-These pieces of dust and rock from a comet, along with those coming from other sources, are called Meteoroids.

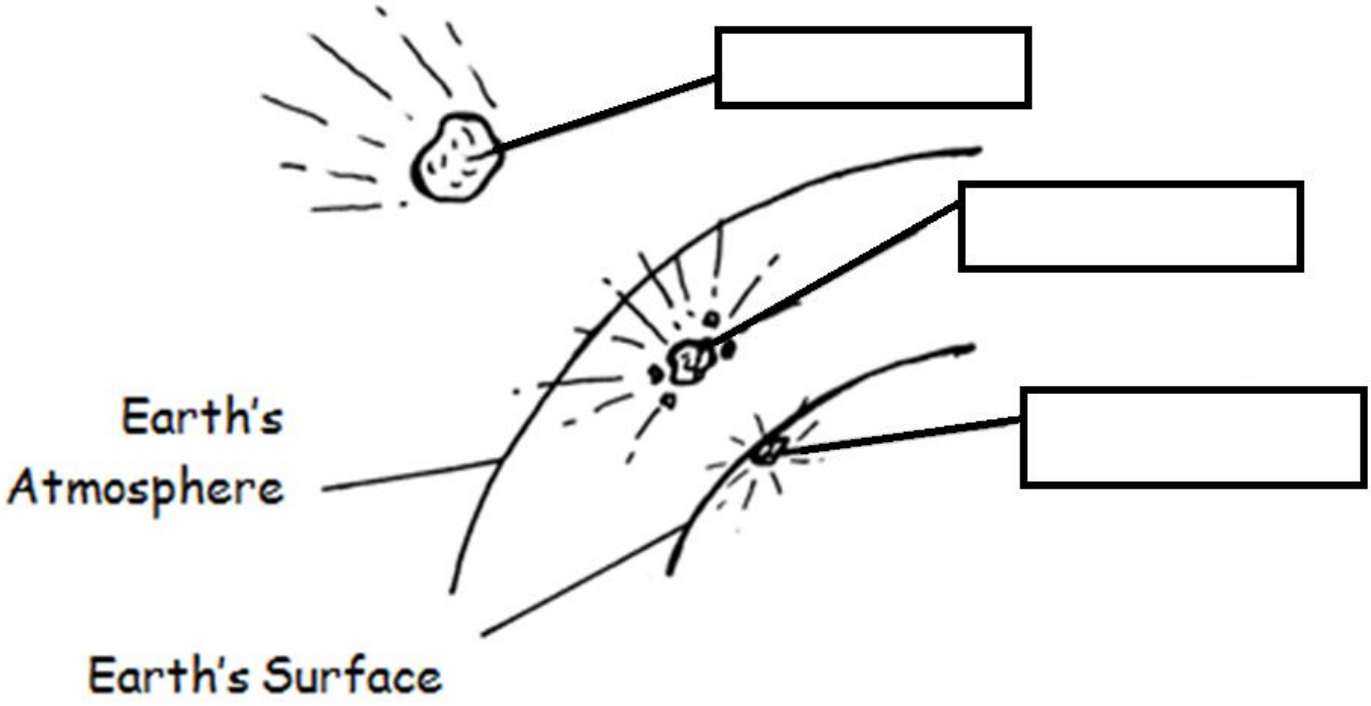
Meteor

Meteor is a meteoroid that burns up in the earth's atmosphere (Shooting Star)

A Meteor is considered harmless even though it can be viewed from earth at times.

Meteorite

Meteorite is a meteoroid that hits the earth's surface



Explain the difference between a comet, meteoroid, and asteroid