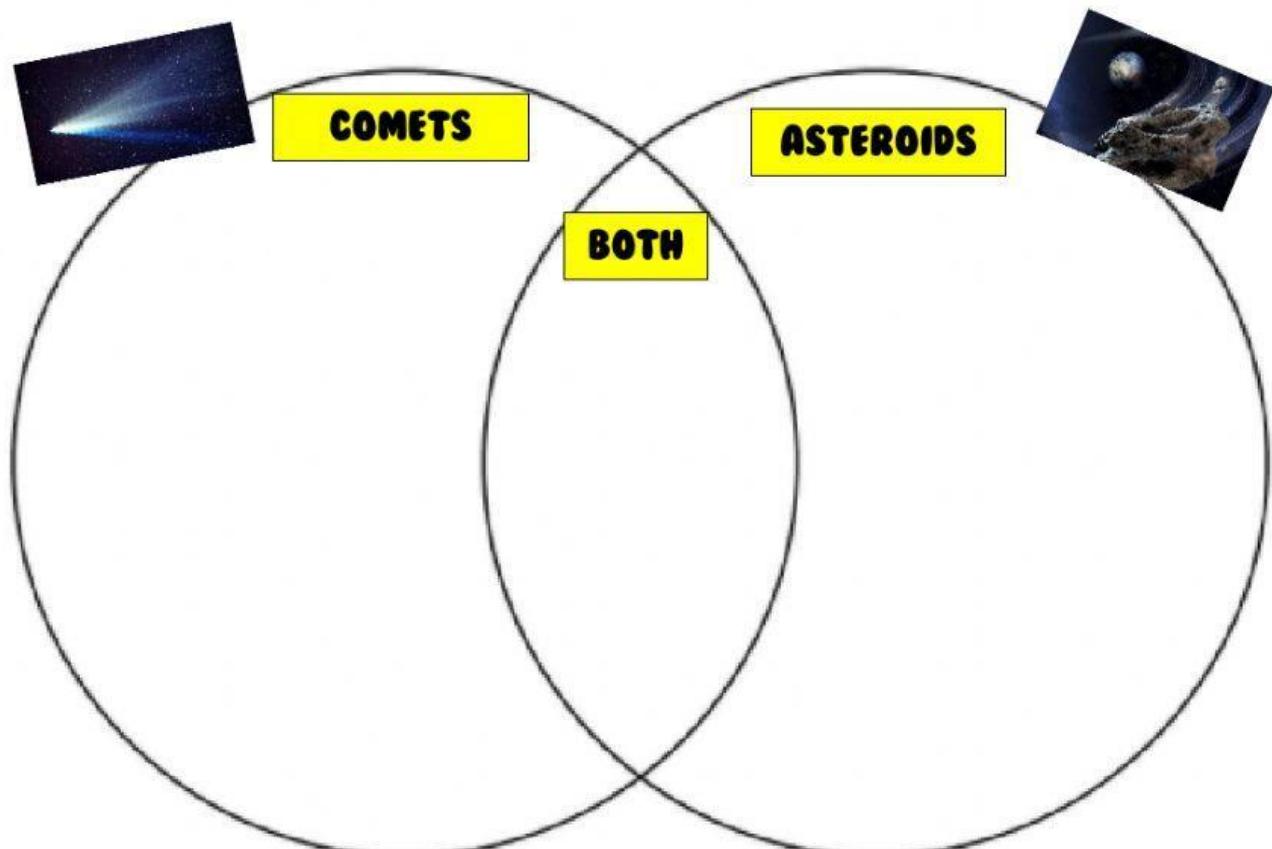


# ASTEROIDS COMETS AND METEOROIDS

**PART A.** Drag the following information about comets and asteroids in the Venn diagram.

1.orbit the Sun	2.made of rock	3.made of ice, gases, and dust	4.have a bright tail	5.part of the Solar System
6.have no tail	7.orbit in the Kuiper Belt	8.reflect sunlight	9.have a coma and a nucleus	

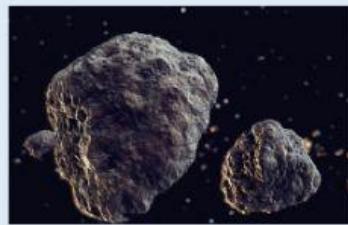


**PART B.** Read the text about meteoroids and complete the sentences about it.

### METEOROIDS

Meteoroids form when asteroids collide or break up. They are small pieces of rock or metal that orbit the Sun. Sometimes a meteoroid passes through the Earth's atmosphere. Friction from air particles rubbing against its surface makes it so hot that the rock burns. The streak of light caused by the burning rock is called a meteor. We sometimes call meteors shooting stars. At certain times each year we can see meteor showers. These occur when the Earth travels through the stream of icy, dusty debris left by a comet.

Most objects that enter the Earth's atmosphere from space burn up completely, but a meteorite is a piece of meteoroid that lands on Earth. Most meteorites are small, but large meteorites can make enormous craters.



1. Meteoroids are pieces of rock and metal which form when

\_\_\_\_\_.

2. Meteoroids orbit \_\_\_\_\_.

3. A meteoroid becomes a meteor when

\_\_\_\_\_.

4. Meteors produce light and heat because \_\_\_\_\_

\_\_\_\_\_.

5. A meteoroid becomes a meteorite when

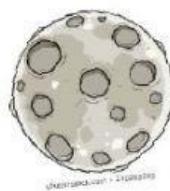
\_\_\_\_\_.

# CHALLENGE

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Read the following questions and give your best answer!

**How does the force of friction help keep us safe?**



**Why are there craters on the moon?**