

## HYPOTHESIS:

If comets are ice why don't they burn up after coming near the star they orbit a few times a few times?

I hypothesize that comets do not disintegrate after orbiting the sun or any star because they are protected by an outer layer of rock.

How does the gravitational pull of planets affect the orbit of comets?

I hypothesize that when a comet encounters the gravitational pull of a planet it spins off into a new area of space. The comets we see are not affected by the gravitational pull that much so we are able to see them without them going out of control.

How do astronomers find out what comets are made of?

I hypothesize that astronomers have figured out the contents of comets because some have made it through our atmosphere and we have been able to study them.

When the comets get close to the sun why don't they get pulled in to the sun by the sun's gravity?

I hypothesize that the comets that are currently in orbit do not get pulled in because they are a certain distance from the sun so that its gravity is not to the degree where the comet gets pulled in by the star.

What are comets made of?

I hypothesize that comets are mainly made of rock and ice.

Who discovered what comets are made of?

I have no idea

When do comets disappear/die/explode/meet their end?

I hypothesize that comets' lives end when they are pulled in by a star or planet or are just burned up after many years.

Where are comets made?

I hypothesize that comets are created from the remnants of a destroyed planet or star.