Why do meteorites not always hit the Earth?

A meteorite is a piece of rock or metal that has fallen to the earth's surface from outer space as a meteor. Over 90 % of meteorites are of rock while the remainder is iron and nickel. A meteorite looks like a giant flaming ball falling from the sky and come in any size from as big as your thumbnail to the size of florida. Not much is known about meteorites but we do know that they come from Outer space.

Comets

A comet is a celestial object consisting of a combination of ice and dust and, when near the sun, a ‘tail’ of gas and dust particles pointing away from the sun. A comet looks like a giant blue ball flying through the night sky. A comet is a very rare problem for meteorites but they could still collide which would shatter the meteorite.

Orbit

Orbit is the regularly repeated elliptical course of a celestial object or spacecraft about a star or planet. Orbit is invisible because it is just gravity. Orbit is a problem because the Earth is so big that it has its own gravitational pull which could easily suck a meteorite into it.

Atmosphere

The atmosphere is the envelope of gases surrounding the earth or another planet. The atmosphere is invisible except for the fact that if you look up on a sunny day you can see the blue atmosphere. The atmosphere is the last problem because it will try to burn anything heading towards the earth at a great speed eg:Rockets.