**Comets**

Today in Science class, Mr. Smith taught us about comets.

Things I learned:

* Comets are made of water and other gasses frozen, with dust and sand particles.
* The very dark surface layer of comets reflects only 3-4% of incoming sunlight.
* They can have a dust tail up to 100 million kilometers long.
* The inside of comets is loose and fluffy, so some comets break up.
* When comets come close to the sun, the sun evaporates them.
* As they evaporate their vapor tail is blown away by the solar wind.
* When you see a comet in the night sky, the size depends on their distance from the Earth.
* All comets have a surrounding “coma” of gas and dust up to several million kilometers in diameter.
* The most famous comet is called Haley’s Comet.
* It is on a period of 76 years, so that it comes back to Earth every 76 Earths.
* Our sister galaxy is called the Andromeda Galaxy.
* There are many, many millions of galaxies.
* There is a galaxy that we can see that is 20.5 million lightyears away.

