All about Space

From Jawad Y.

Space is a boundless three-dimensional place where a lot of incidents have happened such as when a planet collided with the Earth and when the Big Bang (when space and time was made) happened and much more. Also is where it has relative **positive** and **direction.** Physical space is often conceived in three linear dimensions, although, usually physicists, now days, also convince it with time to be part of a boundless four-dimensional continuum (also known as space time).

Three-dimensions

A right handed three-dimensional Cartesian coordinate system used to indicate positions in space.

Milky Way

A Milky Way is an infinite line that looks like a space bullet shot through space and is very memorizing to look at.

Galaxies

As we know, space is very big. But, it’s not finished. Yes. Scientists have found out (using the help of physicists) that space is still expanding and that means more incidents can happen. We think that it is all one big space of stars, planets and dwarfs. Yet, that is not correct. We live in Galaxy. A Galaxy is a boundless space of stars, planets, also a planet called UY Scuti. It may sound weird and might be spelt weird but it’s true. Also a Galaxy is a spiral that connects our universe to other ones. As you know, a three dimension is a Cartesian coordinate system that provides different indications for positions in space. That is how it connects. It uses the indication to locate the position it connects in and makes a Galaxy. Here’s a fun fact. NGC 4414, a typical spiral galaxy in the constellation Coma Berenices, is about 55,000 light-years in diameter and approximately 60 million light-years from Earth. 60,000,000 is a long way from Earth to NGC 4414! Also there are 100 billion to 400 billion planets on Earth and it is also said the is a supermassive black hole in the core (center) of the Galaxy! Here’s a picture of the Galaxy.

Research released in 2016 revised the number of galaxies in the observable universe from a previous estimate of 200 billion 