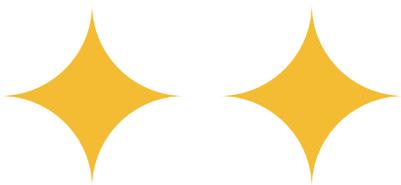




# Revision Guides

# Universe Big Bang Theory



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# Introduction

In our previous tutorial we learned about the universe, universe is everything! The universe is infinite! The Universe is vast of which our galaxy is only a small part.

We have the sun, planets, stars; every planet has a different number of moons, asteroids and meteors. Without the Universe we would not have had Physics or chemistry or any kind of law or life. It is the curiosity of humans that give them the ability to look beyond the present.

But have you ever wondered how did it all begin?

How the Universe did come into existence?

# Big Bang Theory

The Big Bang Theory is an explanation that shows the origin of the stars, planets, galaxies and the Universe as a whole.

The Big Bang started about 13.73 billion years ago with nothing- no space, no matter, no time and no energy.

There was a very tiny, hot point, consisting of matter which had the potential to become something.

This point then burst into the creation of the Universe. This Bang started time, created space and energy.

Atoms began to form as soon as the point burst. After a certain period of time, galaxies planets Began to form and after some more millions years later, life started to form on Earth.

# Evidence and Future

Scientists like Stephen Hawking, George Ellis and Roger Penrose have studied and researched on the Big Bang Theory. They believed that Big bang was the reason why space and time were created.

In our current view of the Universe there are 2 possible futures Many astronomers think that the universe will keep expanding forever. Others think that someday the universe will collapse or squeeze together in a “big crunch.”

The Big Bang model describes the current universe as expanding.

The other possibility is that we live in an Eternal Universe that will never come to end

# Interesting Facts

Many early factories were powered by water so they had to be by a river that could turn the waterwheel.

Printers were able to use steam power to print newspapers and books cheaply. This helped more people get the news and learn how to read.

Some of the most important American inventions during the Industrial Revolution included the telegraph, the sewing machine, telephone, cotton gin, the practical light bulb, and vulcanized rubber.



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