



Stars of the Universe

A Presentation with a Big Bang

The Big Bang Theory is the most widely accepted theory of how the Universe began. Developed in the early 1900s, the Big Bang Theory states that a massive explosion about fifteen billion years ago led to the creation of hydrogen and helium, from which stars and galaxies formed. Chemical reactions in stars created the many other elements that exist in the Universe today.

The Big Bang Theory is based on Albert Einstein's General Theory of Relativity and is supported by observations of an expanding Universe (first seen by Edward Hubble in the 1920s), the existence of hydrogen and helium at the beginning, and cosmic background radiation, or afterglow of the Big Bang.

Other theories for the Universe that have existed or continue to exist include:

- Steady State Theory/Quasi-Steady State Theory
- Cosmic Inflation Theory
- Religious Cosmology
- Oscillating Universe Theory

Task: Create a poster, PowerPoint presentation or info-graphic describing the Big Bang Theory **and** two alternative theories for the beginning of the Universe. **Compare** and **contrast** the different theories and include scientific, or other evidence supporting/discrediting them. **Present** these to the class.

