

# THE BIG BANG THEORY

## Activity 1 – What is the Big Bang Theory?

Go through the article to learn about the theory that best explains how the universe formed.

1. Describe a theory.

Theory Events	When?	What Happened?
Inflation		
Protons and _____	Part 1  Part 2	Part 1  Part 2
First _____		
Clumps of _____ and _____		
First _____ and _____		

2. In your own words, explain the basic idea of the big bang theory.

## Activity 2 – Evidence for the Big Bang

Go through the article to learn the evidence scientists have that support the theory

Evidence	What is it?	More Information
A.		<ul style="list-style-type: none"><li>• The process of _____ released an incredible burst of energy.</li><li>• This energy released _____ of degrees of _____</li><li>• The burst of energy was so powerful that it left an _____ or _____ behind.</li></ul>
B.		<ul style="list-style-type: none"><li>• The heat and energy of the Big Bang created all of the _____ and _____ of the universe.</li><li>• _____% of the Universe is made of hydrogen and helium.</li><li>• These two atoms are the _____ and would have been the _____ to build.</li></ul>
C.		<ul style="list-style-type: none"><li>• Most galaxies are moving _____ from Earth.</li><li>• Galaxies that are _____ away are moving _____.</li><li>• The Universe is _____.</li><li>• If all galaxies are moving away from each other now, then they must have been _____ a long time ago.</li></ul>