

Subject	First Name	Nickname	Grade / Section	Roll Number
Space and Earth			G. 6 /	



## The Beginning of Everything

Read this text about the Big Bang and answer the questions about it.



In the beginning, it was nothing. Then, about 14 billion years ago, the Universe was born with a gigantic explosion – the Big Bang. But what was the Big Bang? Why did it happen? How did the Universe form? How did it start?

Most astronomers today agree that the Universe formed as a result of a huge explosion. Everything started to exist at that exact instant.

At the moment of origin, the Universe did not occupy much volume. It was a tiny massive ball of superdense, superhot matter when it exploded. The fireball cooled as it expanded in all directions and hot gases started to form heavenly bodies: galaxies first, then stars and planets. About five billion years ago the Earth formed.

According to the Big Bang Theory the Universe is still expanding now. All the galaxies are still moving away from each other, in continuous expansion. That was the origin of the Universe. The rest, as they say, is history.

1. When did the Big Bang happen?

- (a) It started to exist 5 billion years ago.
- (b) It expanded in all directions.
- (c) It happened about 14 billion years ago.
- (d) The universe is still expanding now.

2. In which order was the universe formed?

- (a) the stars; the planets; the universe
- (b) the planets; the sun; the galaxies
- (c) the galaxies; the planets; the stars
- (d) the galaxies; the stars; the planets

3. The fireball \_\_\_\_\_ in \_\_\_\_\_ directions.

- (a) expanded , multiple
- (b) didn't expand , one
- (c) moved , all
- (d) didn't move , several

4. The Universe \_\_\_\_\_ its expansion with the Big Bang.

- (a) didn't stop
- (b) stopped
- (c) formed
- (d) didn't form

5. Mark (T) true or (F) false

- (a) The Earth was formed five billion years ago. ( )
- (b) Most astronomers don't agree about the Universe formation. ( )
- (c) The Big Bang was a tiny explosion. ( )
- (d) The galaxies are still moving towards each other. ( )

6. What did the hot gases start to form?

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7. Briefly explain how the universe came into existence.

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