

6th Grade Science

Sample Assessment Items S6E1a.

According to the big bang theory, the universe originated as a _____.

- A. point where all matter and energy was concentrated*
- B. complete, limitless void without any matter or energy
- C. complex system of galaxies that has since been expanding
- D. massive sphere of matter and energy with near-infinite diameter

Which theory is used to explain the formation of the universe?

- A. the Creation Theory
- B. the Big Bang Theory*
- C. the Geocentric Theory
- D. the Heliocentric Theory

The theory that the Earth was the center of the solar system is known as the _____.

- A. heliocentric theory
- B. geocentric theory*
- C. oscillating theory
- D. big bang theory

The theory that the Sun is the center of the solar system is known as the _____.

- A. heliocentric theory*
- B. geocentric theory
- C. oscillating theory
- D. big bang theory

Read the statements below. Identify whether the statement is True or False. If the statement is False, explain why it is False.

- a. The universe continues to expand.
- b. The Big Bang theory suggests that the universe formed billions of years ago through a big explosion.
- c. The solar system formed at the same time as the Big Bang Theory.
- d. The Big Bang is the only existing theory to explain the origin of the universe.

Draw and label an illustration of the Geocentric Model and Heliocentric Model of the solar system.