Name _____

The Big Bang Theory: Unraveling the Birth of the Universe

Multiple Choice Questions

1. What is the Big Bang Theory?

a) An explosion that occurred billions of years ago.

b) A theory about the rapid expansion of the universe's singularity.

c) A theory about the formation of galaxies.

d) A scientific explanation for the existence of black holes.

2. What was the singularity in the Big Bang Theory?

a) A giant star.

b) An extremely hot and dense point containing all matter and energy.

c) A planet.

d) A type of galaxy.

3. What is the Cosmic Microwave Background (CMB)?

a) A baby's photograph.

b) A faint radiation that provides evidence for the Big Bang Theory.

c) A type of star.

d) A black hole.

4. How does the universe's expansion relate to the Big Bang Theory?

a) The universe is shrinking.

b) The universe is not expanding.

c) The Big Bang Theory suggests that the universe is expanding, which is supported by observations.

d) The Big Bang Theory suggests that the universe is stationary.

5. What did the formation of galaxies, stars, and planets follow in the sequence of events according to the Big Bang Theory?

a) The formation of galaxies came first, followed by stars and then planets.

b) The formation of stars came first, followed by galaxies and then planets.

c) The formation of planets came first, followed by stars and then galaxies.

d) The formation of galaxies came first, followed by planets and then stars.