

Name _____

The Big Bang Theory: Unraveling the Birth of the Universe

Open-Ended Response Questions

1. Imagine you are a scientist living shortly after the Big Bang. Describe what you might observe and the challenges you would face in understanding the universe's early stages.
2. Discuss the concept of redshift and how it relates to the expansion of the universe as predicted by the Big Bang Theory.
3. Explain why the formation of galaxies, stars, and planets is considered a consequence of the expansion of the universe as described by the Big Bang Theory.
4. Reflect on the idea that the universe began as an incredibly hot and dense singularity and has since evolved into the cosmos we know today. What does this tell us about the dynamic nature of the universe?

