

Name _____

Cosmic Beginning: How Did the Universe Begin and How Do We Know?

Open-Ended Response Questions

1. Imagine you are a scientist in the early 20th century. How would you have reacted to Edwin Hubble's discovery of the redshift of galaxies, and what questions would you have wanted to explore further?
2. Why do you think it is essential for humans to study the origins of the universe and understand the Big Bang theory, even though it happened billions of years ago and doesn't seem to have a direct impact on our daily lives?
3. If you could create a time machine to witness any event in the history of the universe, would you choose to witness the Big Bang? Why or why not?
4. What do you think future scientific discoveries might reveal about the early moments of the universe and its ultimate fate?

