

Name _____

Beyond Hubble: Telescopes in Space

Open-Ended Response Questions

1. Discuss the role of space-based telescopes as tools for scientific discovery and public engagement. How have these telescopes captured the imagination of people around the world and expanded our knowledge of the cosmos?
2. Imagine you are an astronomer planning to use the James Webb Space Telescope for a specific research project. Describe your project and explain how the telescope's infrared capabilities will be advantageous for your study.
3. Consider the future of space-based telescopes beyond those mentioned in this passage. What types of space telescopes could be developed to further advance our understanding of the universe, and what specific missions or objectives could they have?
4. Reflect on the impact of the Hubble Space Telescope on astronomy and scientific research. How has Hubble's long and successful mission influenced our perception of the universe, and what are its enduring contributions to the field of astronomy?

