

Name \_\_\_\_\_

## Meteor Showers: Celestial Fireworks in the Night Sky

### Open-Ended Response Answer Key

1. Answers may vary. Example: "Meteor showers have held diverse cultural meanings. In some cultures, they were seen as omens, while in others, they were celebrated as celestial events. For instance, the Perseids were associated with the Greek myth of Perseus, adding to their significance in Western culture."
2. Answers may vary. Example: "I would compare meteor showers to watching shooting stars race across the sky. Imagine each meteoroid as a tiny star on a journey, creating beautiful streaks of light when they visit Earth."
3. Answers may vary. Example: "Light pollution from cities can wash out the faint glow of meteors, making them difficult to spot. Preserving dark skies is crucial for both scientific observations and the enjoyment of meteor showers."
4. Answers may vary. Example: "The unpredictability of meteor showers adds an element of surprise and excitement. You never know when a meteor will streak across the sky, keeping you on the edge of your seat during the wait."

