Name _____

Comet Tails Unveiled: The Magical Origin

Open-Ended Response Questions

1. Imagine you are an astronaut on a space mission to study a comet up close. Describe the challenges and scientific opportunities you might encounter when investigating the formation of comet tails.

2. Comet tails are not permanent but change in appearance as a comet approaches and moves away from the Sun. Discuss the factors that influence the variations in comet tail appearances.

3. Comet tails have been a source of wonder and curiosity throughout history. Explore the cultural and scientific significance of comet tails in human understanding and exploration of the cosmos.

4. How does the understanding of comet tail formation contribute to our broader knowledge of the solar system and its origins?

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