

Name _____

The Snowy Scientific Adventures

Open-Ended Response Answer Key

1. Lucy's curiosity and determination drove her to conduct various experiments with snow and ice because she wanted to uncover the mysteries of winter. For example, she observed snowflakes under a microscope to reveal their intricate patterns and melted snow to understand its properties. Her experiments were driven by her desire to learn and share the wonder of winter with others.
2. When Lucy mentioned that snow and ice carried the "essence of winter," she meant that they embodied the unique and magical qualities of the season. Her experiments and discoveries reflected this idea by revealing the beauty, intricacy, and wonder of snow and ice, going beyond their cold physical properties.
3. Lucy's snowy scientific adventures had a profound impact on the village residents. They were inspired and amazed by her discoveries, which enriched their lives by deepening their understanding of winter. Her experiments fostered a sense of curiosity and appreciation for the beauty of the natural world. The village residents saw winter in a new light, filled with wonder and magic.
4. Lucy's experiments revealed the beauty and uniqueness of snow and ice by showcasing their intricate patterns, insulating properties, and transformative abilities. Her transparent ice sculpture captured the essence of winter, emphasizing the magic and wonder that lay within the frozen world. The experiments uncovered the hidden beauty of the seemingly ordinary, making snow and ice extraordinary.

