Name _____

Weight vs. Mass: Unpacking the Difference

Open-Ended Response Questions

1. Imagine you have a bag of feathers and a bag of lead pellets, both of the same mass. How would their weights compare on Earth, the Moon, and in outer space? Explain.

2. Discuss an everyday scenario where understanding the difference between mass and weight is essential for safety or functionality.

3. Explain how the sensation of weightlessness experienced by astronauts aboard the International Space Station (ISS) is similar to and different from the feeling of being in freefall on Earth.

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