Name _____

The First Law of Thermodynamics: Energy Conservation Explained

Open-Ended Response Questions

1. Imagine you are cooking a meal on a stove. Describe how the first law of thermodynamics applies to the process of cooking, from the energy source to the final meal.

2. Discuss the importance of energy conservation in the context of the first law of thermodynamics. How can individuals contribute to energy conservation in their daily lives?

3. Explore a scenario where it may appear that energy is being created or destroyed, and explain how the first law of thermodynamics clarifies the situation.

4. If you were to explain the first law of thermodynamics to a younger sibling or friend, how would you describe it in a simple and understandable way?