

Name: _____

Period: _____

EINSTEIN'S BIG IDEA: POST LAB

CONSERVATION OF MASS

DIRECTIONS

Following completion of the Conservation of Mass lab, use your observations and data to complete the following post lab questions.

QUESTIONS:

1. When a reaction gives off heat, it is called *exothermic*. When a reaction absorbs heat, it is called *endothermic*. Was this reaction *exothermic* or *endothermic*?
2. How did the mass of the reactants compare to the mass of the products?
3. What might have caused the difference in mass that you observed?
4. What might have happened to the mass of the system if you did not seal the plastic bag?
5. What evidence did you observe that a chemical reaction did indeed occur?
6. Suppose someone completed this lab and found that the final mass was much less than the initial mass. Would that prove that the law of conservation of mass is wrong? Why or why not?