Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Energy transformation: Baking Soda and Vinegar Experiment**

**Word bank:** gravity, experiment, successful, failed, improve, modify, forms of energy, chemical energy, kinetic energy, potential energy, gravitational energy, sound energy, thermal energy, light energy, elastic energy, chemical reaction, vinegar, baking soda, rocket, carbon dioxide, rocket chamber, gas, thrust, launching pad, force

|  |  |
| --- | --- |
| **PURPOSE**:  To see  **HYPOTHESIS**:   |  | | --- | | **MATERIALS**: List materials used in this experiment: |   **PROCEDURE:** |
| **OBSERVATIONS:** What did you see during the experiment?   |  |  |  | | --- | --- | --- | | Trial 1 | Trial 2 | Trial 3 | |  |  |  |   Draw and label a diagram of the experiment.  **CONCLUSION:** Explain the experiment using vocabulary provided in the word bank. |
| Draw a flow chart to show **Energy Transformation** in this experiment. Use the vocabulary from the word bank. |