Matter and Chemistry:

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mission**: Here it is—what you have been waiting for. You need to design the best chemical explosion possible using vinegar and baking soda with a partner. You must use the scientific method in order to do so though! Have fun and happy exploding! No explosions until you fill out this handout.

**Testable Question**:

**Hypothesis**: (If/then statement)

**Materials:** What materials and amounts do you need?

**Procedure:** Explain all of the steps you will do to complete this project

**Results**: How will you measure your explosion? What makes an awesome explosion? What will you do in order to prove you have the best explosion?

**Conclusion:** Who had the best explosion? Was your hypothesis correct? Explain