**Conservation of Mass and Physical and Chemical Changes – Final Exam Study guide**

*Use your notes, handouts, or a book to work on this. Please do all of the work in your notebooks (except the reaction at the bottom).*

**Define or explain the following words and concepts**

Physical Change Chemical Change

Endothermic Reaction Exothermic Reaction

Precipitate Reactant

Product Atom

Element Molecule

**What are the 5 indications of a chemical change that we have looked at?** List the ones we have seen in the labs or demonstrations that we have done.

**Chemical v. Physical Changes**

*What is the main difference between a physical and chemical change?*

*Are the following chemical or physical changes?*

boiling water, a campfire burning, melting butter, combining vinegar and baking soda, a popsicle melting, rust, mist from dry ice

*How do chemical and physical changes show conservation of mass?*

**Label the following reaction** with REACTANTS, PRODUCTS, PRECIPITATE, GAS, LIQUID, SOLUTION (aqueous).

