Teacher's Guide

Physical and Chemical Changes Lab Stations

Students will:

- "construct an explanation to classify changes in matter as physical changes
 (including changes in size, shape, and state) or chemical changes that are the result
 of a chemical reaction (including changes in energy, color, formation of a gas or
 precipitate)".
- rotate through 6 stations to classify changes as physical or chemical and explain their reasoning.

There are six investigations that can be used as:

- stations (students will work in groups and rotate)
- demonstrations
- and more

- I. Salt and Water Mixture
- 2. Rusted Nails
- 3. Browned Banana
- 4. Cornstarch and Water Mixture
- 5. Baking Soda and Vinegar
- 6. Crumpled Paper

Simple materials you will need for these stations:

- small beaker or clear cup
- water
- · salt
- plastic spoons
- paper towels
- rusted and non-rusted nails
- magnifying glass (optional)
- · a browned banana
- a plate
- · cornstarch
- bowl/container
- rubber gloves (optional)
- graduated cylinder (100 ml)
- funnel
- baking soda
- vinegar
- measuring spoon
- paper







Included:

- 6 station directions (editable text)
- student sheet (editable)
- sample answer key
- · teacher's guide
- teacher tips (set-up and more)



