**Observing Changes Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Go to each station and follow the instructions you find there. For each station, fill in the table with your observations, indicating what is present BEFORE and AFTER the change.

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| Station | What do you see before the change | What do you observe during/after the change | Physical or Chemical change? |
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What is the difference between a chemical and a physical change?

What clues help you tell that a chemical change is happening?

Can physical changes be reversed? What about chemical changes?

Station 1 – Iron filings and Sulphur – look at the mixture in the Petri Dish. Run a magnet along the bottom of the dish (outside the glass) and see what happens.

Station 2 – modelling clay – use the clay to make a new shape

Station 3 – Ice cube – observe the ice cube – what is happening to it?

Station 4 – Aluminum foil – tear foil into pieces, gather pieces together when finished.

Station 5 – Salt – examine the salt. Take a small amount of salt and add it to some water. Stir the water and observe what happens.

Station 6 – Copper sulphate and iron nail – observe the copper sulphate solution and the nail. Put the nail into the copper sulphate solution and record your observations.

Station 7 – Alka-seltzer – add a piece of an alka-seltzer tablet to the water.

Station 8 – Sodium hydroxide and cobalt chloride – observe both solutions. Add a dropper full of sodium hydroxide to a test tube. Add a dropper full of cobalt chloride to the same test tube. Record your observations.

Station 9 – Ammonium chloride - add water to ammonium chloride in a test tube. Feel the outside of the test tube.

Station 10 – Match – carefully light a match. Blow it out and record what you saw

Station 11 – Nails – observe the new nail and the old nail. Write down your observations.

Station 12 – Apple – look at the slices of apple. Record your observations.