

## Signs of a Chemical Reaction Lab

- While wearing goggles, carefully add chemicals in the combinations shown in the table below.  
**DO NOT MIX ANYTHING OTHER THAN IN THE COMBINATIONS SHOWN!!!!!!**
- As you mix, record your observations and indicate whether a reaction took place or not, and if it did, what type of sign you saw. They should all be obvious! If you are unsure ask Mrs. Farmer!

Rxn #	Combine	Observations	Rxn or No Rxn?	If Rxn – what sign?	Clean up
1	RED A + B Zinc + HCl				Rinse down the drain with lots of water.
2	ORANGE C + D Iron + CuSO <sub>4</sub>				Paper clip in trash. LIQUID MUST GO IN WASTE JUG UP FRONT!!! Rinse test tube with DI water into jug up front
3	YELLOW E + F Na <sub>2</sub> CO <sub>3</sub> + CaCl				Rinse down the drain with lots of water.
4	GREEN G + H KCl + Na <sub>2</sub> CO <sub>3</sub>				Rinse down the drain with lots of water.
5	BLUE I + J HCl + Water <b>*YOU MUST ADD THE ACID TO THE WATER! ADD I to J NOT THE OTHER WAY AROUND!*</b>				Rinse down the drain with lots of water.
6	PURPLE Snap one of the sticks and shake!				None – Do “Rock Paper Scissors Lizard Spock” to see who takes glow stick with them 😊

**Give an example of real life experiences that show each of the five signs of a reaction.**

<i>Temp change</i>	<i>Light given off</i>	<i>Gas is formed</i>	<i>Precipitate formed</i>	<i>Color change</i>

**Draw a small “pictogram” that represents each of the five signs of a reaction.**

<i>Temp change</i>	<i>Light given off</i>	<i>Gas is formed</i>	<i>Precipitate formed</i>	<i>Color change</i>