

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	https://youtu.be/A4XITC225uk			Rinse down the drain with lots of water.
2	ORANGE C + D Iron + CuSO ₄	https://youtu.be/OxGjbHzxQSI			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 ₂ CO ₃ + CaCl	https://youtu.be/kKNp0HVgmjl			Rinse down the drain with lots of water.
4	GREEN G + H KCl + Na ₂ CO ₃	<i>No video – two clear liquids mixed together and nothing observable happens.</i>			Rinse down the drain with lots of water.
5	BLUE I + J HCl + Water <i>*YOU MUST ADD THE ACID TO THE WATER! ADD I to J NOT THE OTHER WAY AROUND!*</i>	https://youtu.be/M-QMJ-JMb5l			Rinse down the drain with lots of water.
6	PURPLE Snap one of the sticks and shake!	https://youtu.be/uJgNTEBWhDk			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.

What is a pictogram? <https://tinyurl.com/y724yh4t>

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