

TYPES OF REACTIONS

OBTAIN YOUR TEACHERS PERMISSION BEFORE PERFORMING THIS EXPERIMENT

In this experiment you will be examining TYPES OF REACTIONS (RXNs) it is very important that you MEASURE EXACT AMOUNTS OF SUBSTANCES and FOLLOW ALL DIRECTIONS EXACTLY!!!!!!

Factors

SYNTHESIS

DECOMPOSITION 2

REPLACEMENT

DOUBLE REPLACEMENT

DECOMPOSITION OF Sodium Bicarbonate

Sodium Bicarbonate + Heat → Carbon dioxide + Sodium Carbonate+ Water



BALANCE THIS EQUATION

MATERIALS:

- GOGGLE (over eyes) GLOVES (over hands)
- Correct PYREX/KIMAX Test tube
- Sodium Bicarbonate (3 LEVEL SCOOPS)
- ring stand and test tube clamp
- Bunsen Burner and Spark Lighter
- WOOD SPLINT

THIS WILL GET HOT!!

GLOVES AND GOGGLES

1. WATCH THE VIDEO OF THIS REACTION
2. Set up the apparatus as shown
3. Place the 3 Scoops of Sodium Bicarbonate into the test tube
4. Light a wood splint a place it near the end of the tube RESULT _____
5. GLOVES and GOGGLES
6. Light the burner and adjust if necessary.
7. HEAT the MIXTURE
8. USING A WOOD SPLINT, LIGHT RETEST THE END OF THE TUBE RESULT _____

What is the gas produced? You tested for it with the wood splint.

What indicated that there was water produced?

In your own words describe what you learned in this experiment.

CLEAN UP!clean the test tube (WASH DOWN THE DRAIN) with a test tube brush, return materials.