

**Seat #:**

**Period:**

**Name:**

**DO NOT GLUE IN UNTIL IT HAS BEEN GRADED AND RETURNED!**

### **Lab Procedure:**

- 1) Using the spoon with the RED tape, weigh out \_\_\_\_\_ grams of  $\text{Na}_2\text{CO}_3$  into the beaker with the RED tape.
- 2) Add 20 mL of distilled water to the RED beaker. Stir until the solid dissolves.
- 3) Using the spoon with the YELLOW tape, weigh out \_\_\_\_\_ grams of  $\text{CaCl}_2$  into the beaker with the YELLOW tape.
- 4) Add 20 mL of distilled water to the YELLOW beaker. Stir until the solid dissolves.
- 5) Pour the contents of the RED beaker into the YELLOW beaker SLOWLY and STIR at the same time. Try to transfer ALL of the contents – don't leave a bunch behind.
- 6) Once you have transferred all the contents into the yellow beaker continue stirring for a full two minutes.
- 7) Leave the yellow beaker on the lab bench to rest until the precipitate separates from the filtrate.
- 8) While waiting for your precipitate to separate, label the weigh boat with your class period and lab group number like shown on the white board. Weigh and record the mass of the weigh boat plus a new piece of filter paper. Place the filter paper in the Buchner funnel.
- 9) Use the distilled water bottle to moisten the filter paper in the Buchner funnel.
- 10) Carefully transfer your products (precipitate and filtrate) into the Buchner funnel.
- 11) Turn on the water to create suction to help dry out your product.
- 12) Transfer your filter paper and all your precipitate into the pre-weighed weigh boat.
- 13) Bring your weigh boat/filter paper/precipitate to Mrs. Farmer to store until the next class day.
- 14) Weigh and record the mass of the empty beaker that has PURPLE tape on it.
- 15) Carefully pour your filtrate from the filter flask into the beaker labeled with PURPLE tape.
- 16) Put the PURPLE beaker on the hot plate to drive off the water.
- 17) Once your second product is dry, reweigh the purple beaker and record this mass as well.
- 18) **Day Two:** Reweigh your weigh boat/filter paper/ppt – it should be dry by now. Record this mass.