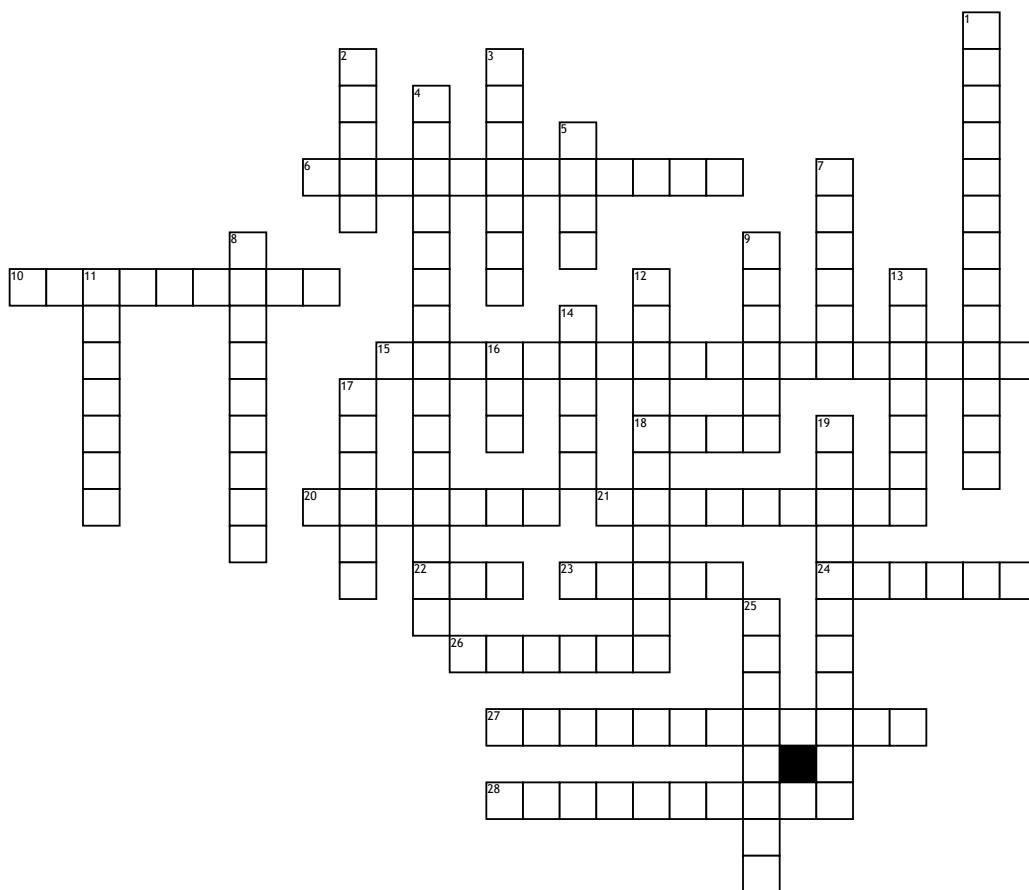


Name: _____

Date: _____

Identification, Properties and Synthesis of an Unknown Ionic Compound (Sodium Carbonate)

**Across**

6. What test used the Voltmeter?
 10. Who is Brad's celebrity look alike?
 15. What happened when $MgSO_4$ was added to the solution?
 18. What was the name of the hot box you put your filters in?
 20. What are we testing for in Project 11?
 21. Which compound tested positive for anions?
 22. How many minutes should you leave the filters in the oven?
 23. How many times do you test your unknown?
 24. What color was the result of the pH test?
 26. The hose connected to the Buchner flask serves as a what?

27. Which test is conducted to see how much is dissolved?

28. What color did the solution turn when $CaCl_2$ was added?

Down

1. What process do you use to convert grams of one substance to grams of another substance?
 2. What test when positive will change the color of the substance?
 3. What should you use to pull out the filters and watch glasses with?
 4. What was the unknown solution?
 5. How many times did we test for a reaction in week 3?
 7. What happens when an acid is added to the solution?

8. What happened when KNO_3 was added to the solution?

9. What test will we use a Bunsen burner?

11. What happens when the base is added to the solution?

12. How many grams of material do we start with?

13. What does the anion test confirm the presence of?

14. What was the conductor?

16. How many times do you test your known?

17. After mixing the solutions together, what do you pour them through?

19. Which test is conducted to see whether or not the solution dissolved?

25. What test was used to see if the solution completely dissolved?

Word Bank

Oven	Two	Sulfate	Cation	Jonah Hill
Half of a gram	Milky White	Three	Dissolved	Funnel
Ten	Indigo	Partially Dissolved	Five	Sodium Carbonate
Conductivity	Nothing	Quantitative	Stoichiometry	Forceps
Carbonate	Qualitative	Vacuum	Unknown	Fizzes
Polarity	Water	Anion		