

Name: _____

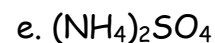
Period: _____

Chemistry 11

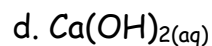
Solution Worksheet

Directions: Answer in the space provided and be sure to show ALL your work. Have fun 😊

1. Which of the following form ionic solutions?



2. Which of the following is a conducting solution?



3. Calculate the molar concentrations of ALL the ions in solutions.

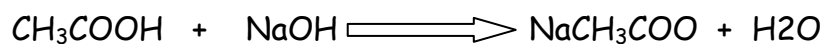


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Titration

4. A 112.5 ml sample of vinegar (containing acetic acid, CH_3COOH) was titrated using 0.504 M NaOH. If the titration required 20.65 ml of the NaOH solution, what was the molar concentration of acetic acid in the vinegar?



5. A 25.00 mL sample of an unknown H_2SO_4 solution was reacted with 0.650 M NaOH. Using the data below, calculate the concentration of H_2SO_4 .

Volume of NaOH used:

Run #1 = 36.50 mL's

Run #2 = 36.54 mL's

Run #3 = 38.00 mL's

6. A 10.00 ml sample of HCl was titrated with 0.750 M NaOH. Using the data below, calculate the HCl concentration.

Volume of NaOH used:

Run #1 = 6.50 mL's

Run #2 = 8.54 mL's

Run #3 = 8.60 mL's