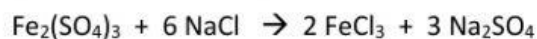


NAME: \_\_\_\_\_

## STOICHIOMETRY: MASS – MOLE WORKSHEET

Solve the following stoichiometry problems and write the correct answer with units (For example: 34 mol ó 4.62 g) Round up to 2 decimals.

1. Based on the following chemical equation, please answer the following questions:



- a. Calculate the amount of moles of NaCl needed to produce 75g of FeCl<sub>3</sub>.

Answer: \_\_\_\_\_

- b. Calculate the amount of Fe<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub> in grams to produce 215 g of Na<sub>2</sub>SO<sub>4</sub>.

Answer: \_\_\_\_\_

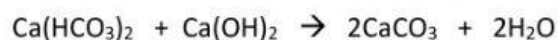
- c. Calculate the amount in grams of FeCl<sub>3</sub> produced with 95g of Fe<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>

Answer: \_\_\_\_\_

- d. Calculate the amount of moles of Fe<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub> needed to react with 123.5 g of NaCl

Answer: \_\_\_\_\_

2. How many moles of CaCO<sub>3</sub> can be produced if we make 12.3g of Ca(HCO<sub>3</sub>)<sub>2</sub> reacts with Ca(OH)<sub>2</sub>?



Answer: \_\_\_\_\_