

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 FeCl₃.

Answer: _____

b. Calculate the amount of Fe₂(SO₄)₃ in grams to produce 215 g of Na₂SO₄.

Answer: _____

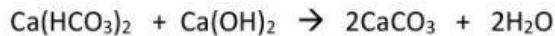
c. Calculate the amount in grams of FeCl₃ produced with 95g of Fe₂(SO₄)₃

Answer: _____

d. Calculate the amount of moles of Fe₂(SO₄)₃ needed to react with 123.5 g of NaCl

Answer: _____

2. How many moles of CaCO₃ can be produced if we make 12.3g of Ca(HCO₃)₂ reacts with Ca(OH)₂?



Answer: _____