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.

 Based on the following chemical equation, please answer the fo
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$$Fe_2(SO_4)_3 + 6 NaCl \rightarrow 2 FeCl_3 + 3 Na_2SO_4$$

a.	Calculate t	he amount	of moles of	NaCl needed	to produce	75g of FeCl ₃
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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:_____

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

$$Ca(HCO_3)_2 + Ca(OH)_2 \rightarrow 2CaCO_3 + 2H_2O$$

Answer:_____