CHM 110: 10/12/09 review problem

If 5.79 g of iron is burned in excess oxygen and 6.10 g of iron(III) oxide is recovered, what is the percent yield?

To find percent yield, we need to calculate theoretical yield of iron(III) oxide.

Fezoz:

- 1 Change 5.79 g of iron to moles. Use formula weight of iron
- 2 Change moles iron to moles iron(III) oxide using chemical equation
- 3 Change moles iron(III) oxide to grams. Use formula weight of iron(III) oxide
- Fe: 2 x SS. 85 0: 3 x 16.00 159.70