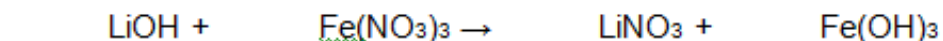


AP Chemistry NTI Day 4

Stoichiometry

Please answer the following questions:

- 1) Balance this equation:



- 2) What type of chemical reaction is taking place in this process? _____

- 3) If I perform this reaction by combining 25.0 grams of LiOH with an excess of $\text{Fe}(\text{NO}_3)_3$, how much $\text{Fe}(\text{OH})_3$ will I be able to make?

- 4) If 47.5 grams of $\text{Fe}(\text{OH})_3$ are actually made, what is my percent yield for this reaction?

- 5) Is the answer to question 4 reasonable? Explain why or why not.

- 6) What does it mean to say that we used "an excess of $\text{Fe}(\text{NO}_3)_3$ " when performing this reaction?