

CHAPTER 8	Expected Quantity of Product Problems	BLM 8.1.3
ASSESSMENT		

1. Manganese(III) fluoride is formed in the following reaction:



1.24 g of manganese(II) iodide reacts with 25.0 g of fluorine gas. What mass of manganese(III) fluoride is expected?

2. Copper metal reacts with nitric acid according to the following reaction:



What mass of NO is produced when 57.4 g of Cu reacts with 165 g of HNO<sub>3</sub>?

3. Hydrogen peroxide, H<sub>2</sub>O<sub>2</sub>, decomposes to liquid water and oxygen gas. Calculate the mass of water produced by the decomposition of 10.0 g of hydrogen peroxide.

