AP CHEMISTRY



TOPIC 2: STOICHIOMETRY, PART A EXAMPLES

Day 13:

1)	How many moles of magnesium are necessary to react completely with 50.5 moles of oxygen gas to form
	magnesium oxide?

2) Calculate the number of moles of the only precipitate, calcium sulfate, that will be formed in the double replacement reaction when excess calcium nitrate reacts with 125 grams of sodium sulfate. Sodium nitrate is also formed in the reaction.

3) Calculate the mass (in grams) of gold(III) nitrate will be needed to react with excess solid calcium hydroxide to produce 4.75 kilograms of the only precipitate, gold(III) hydroxide? Calcium nitrate is also produced.