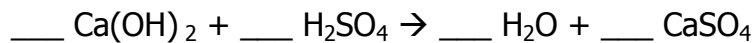


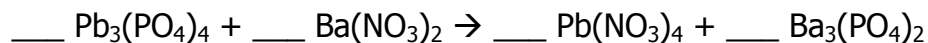
*Balance the following equations and then solve the related problems:*

- 1) Given the following equation:



How many grams of calcium sulfate will be formed if 130 grams of calcium hydroxide reacts with an excess of sulfuric acid?

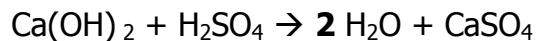
- 2) Given the following equation:



How many grams of barium nitrate will be needed to make 325 grams of barium phosphate, assuming that you have an excess of lead (IV) phosphate?

## Solutions

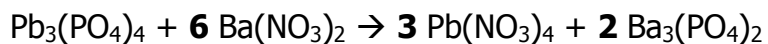
- 1) Given the following equation:



How many grams of calcium sulfate will be formed if 130 grams of calcium hydroxide reacts with an excess of sulfuric acid?

**240 g CaSO<sub>4</sub>**

- 2) Given the following equation:



How many grams of barium nitrate will be needed to make 325 grams of barium phosphate, assuming that you have an excess of lead (IV) phosphate?

**423 g Ba<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>**