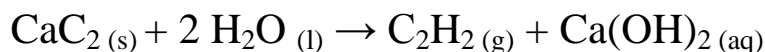


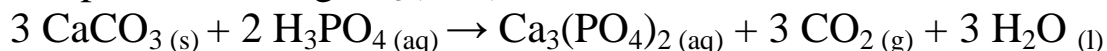
Stoichiometry Practice Problems **Answers**

1. How many grams of acetylene (C_2H_2) are produced if you have 5.00 g CaC_2 ?



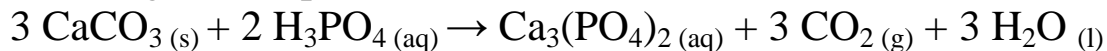
2.03g C_2H_2

2. How many grams of H_3PO_4 react with excess calcium carbonate to produce 3.74 g $\text{Ca}_3(\text{PO}_4)_2$?



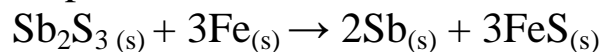
2.36g H_3PO_4

3. Calculate the number of grams of carbon dioxide formed when 0.773 g H_2O is produced.



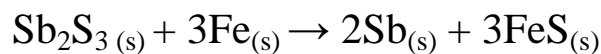
1.89g CO_2

4. When 15.0 g Sb_2S_3 reacts with an excess of Fe, how many grams of Sb are produced?



10.75g Sb

5. If this reaction produces 9.84 g Sb, how many grams of Fe are needed?



6.77 g Fe

6. How many grams of zinc are needed to react with 1.49 g HNO_3 ?



0.619g Zn

7. How many grams of HNO_3 are needed to form 29.1 g NH_4NO_3 ?



229 g HNO_3