

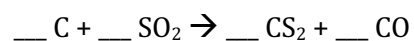
Limiting & Excess Reactants

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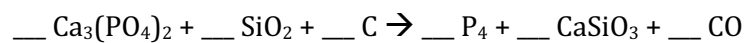
1. Consider the following reaction:



- a. What mass of CS₂ is produced when 17.5 g of C are reacted with 39.5 g of SO₂?

- b. What mass of the excess reactant will be left over?

2. Consider the following reaction:



a. What mass of P_4 is produced when 41.5 g of $\text{Ca}_3(\text{PO}_4)_2$, 26.5 g of SiO_2 and 7.80 g of C are reacted?

b. How many grams of each excess reactant will remain unreacted?

1a. 22.2g CS_2

1b. 2.2g SO_2

2a. 8.05g P_4

2b. 3.1g SiO_2 , 1.2g $\text{Ca}_3(\text{PO}_4)_2$