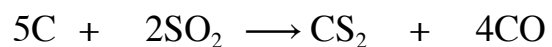


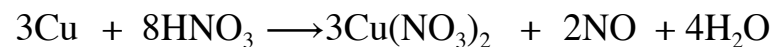
1) 17.5 g of C is reacted with 39.5 g of SO₂ according to the reaction:



Limiting reactant: _____
Amount by which other
reactant is in excess: _____

What mass of CS₂ is produced?

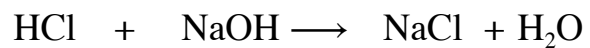
2) 87.0 g of Cu are reacted with 225 g of HNO₃ according to the reaction:



Limiting reactant: _____
Amount by which other
reactant is in excess: _____

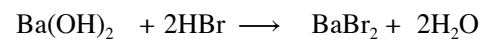
What mass of NO is produced?

3) 50.0 mL of 0.100 M HCl is allowed to react with 30.0 mL of 0.200 M NaOH according to the reaction:



Limiting reactant: _____
Amount by which other
reactant is in excess: _____

4) 0.250 g of $\text{Ba}(\text{OH})_2$ is mixed with 15.0 mL of 0.125 M HBr according to the reaction:



Limiting reactant: _____
Amount by which other
reactant is in excess: _____
What mass of BaBr_2 can be formed?