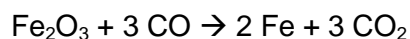


Question 1- Thermo-decomposition of calcium carbonate is



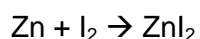
If 100 kg of calcium carbonate is heated what mass of calcium oxide will form? (Show all working)

Question 2- Iron oxide is reduced to iron by carbon monoxide according to the equation:



Calculate the mass of iron which could be obtained from 160 kg of iron oxide

Question 3- Zinc and iodine react to form zinc iodide, according to the equation:



A student weighs out exactly 0.65 g of zinc and reacts it with excess iodine. What weight of zinc iodide would be formed