

Stoichiometry Practice Problems

To prepare a solution of AgNO_3 , 0.275 grams are placed in a 500-mL volumetric flask and diluted to volume. A 10.0 mL portion of this solution is transferred to a 250-mL volumetric flask and diluted to volume, what is the molarity of the resulting solution?

Metal carbonates decompose when they are heated, releasing CO_2 and the corresponding metal oxide, as shown by the following reaction



When a metal carbonate is heated it loses 35.1% of its mass. What is the metal in this metal carbonate assuming that it has a charge of +1 or +2?