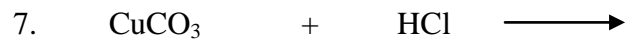
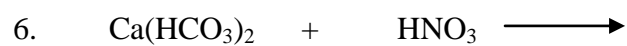
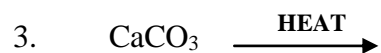
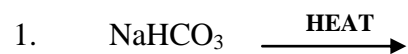


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Complete and balance the following equations by writing the correct number in front of each chemical.



## Answers

Complete and balance the following equations by writing the correct number in front of each chemical.

**1 mark for correct products. 1 mark for correct balancing of equation**

- $2\text{NaHCO}_3 \xrightarrow{\text{HEAT}} \text{Na}_2\text{CO}_3 + \text{H}_2\text{O} + \text{CO}_2$   
OR  $\text{Na}_2\text{O} + \text{H}_2\text{O} + 2\text{CO}_2$
- $4\text{K} + \text{O}_2 \longrightarrow 2\text{K}_2\text{O}$
- $\text{CaCO}_3 \xrightarrow{\text{HEAT}} \text{CaO} + \text{CO}_2$
- $\text{Na}_2\text{CO}_3 + \text{H}_2\text{SO}_4 \longrightarrow \text{Na}_2\text{SO}_4 + \text{CO}_2 + \text{H}_2\text{O}$
- $\text{C} + \text{O}_2 \longrightarrow \text{CO}_2$
- $\text{Ca}(\text{HCO}_3)_2 + 2\text{HNO}_3 \longrightarrow \text{Ca}(\text{NO}_3)_2 + 2\text{H}_2\text{O} + 2\text{CO}_2$
- $\text{CuCO}_3 + 2\text{HCl} \longrightarrow \text{CuCl}_2 + \text{CO}_2 + \text{H}_2\text{O}$
- $3(\text{NH}_4)_2\text{CO}_3 + 2\text{H}_3\text{PO}_4 \longrightarrow 2(\text{NH}_4)_3\text{PO}_4 + 3\text{H}_2\text{O} + 3\text{CO}_2$