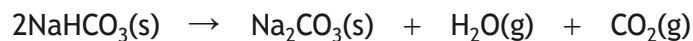
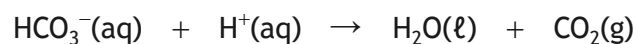


11. Sodium hydrogencarbonate,  $\text{NaHCO}_3$ , is a water-soluble solid and is present in indigestion tablets.

When sodium hydrogencarbonate is heated to  $112^\circ\text{C}$  it breaks down and carbon dioxide gas is given off.



Sodium hydrogencarbonate also reacts with acids to form salts. The hydrogencarbonate ions react with hydrogen ions from the acid to form water and carbon dioxide gas.



Using your knowledge of chemistry, comment on how the mass of sodium hydrogencarbonate in an indigestion tablet could be determined by experiment.

3

