

**9** Calcium carbonate reacts with dilute hydrochloric acid.

The equation for the reaction is shown.



1.00 g of calcium carbonate is added to 50.0 cm<sup>3</sup> of 0.0500 mol/dm<sup>3</sup> hydrochloric acid.

Which volume of carbon dioxide is made in this reaction?

**A** 30 cm<sup>3</sup>

**B** 60 cm<sup>3</sup>

**C** 120 cm<sup>3</sup>

**D** 240 cm<sup>3</sup>