

2010 HIGHER SCHOOL CERTIFICATE EXAMINATION

Chemistry

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Centre Number

Section I – Part B (continued)

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Student Number

Question 26 (4 marks)

A gas is produced when 10.0 g of zinc is placed in 0.50 L of 0.20 mol L⁻¹ nitric acid. **4**

Calculate the volume of gas produced at 25°C and 100 kPa. Include a balanced chemical equation in your answer.

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