



**ZIMBABWE SCHOOL EXAMINATIONS COUNCIL**  
General Certificate of Education Advanced Level

**CHEMISTRY**

**9189/4**

PAPER 4 Option Topics

**JUNE 2008 SESSION**

1 hour 15 minutes

Additional materials:

Answer paper

Data booklet

Graph paper

Mathematical tables and/or electronic calculator

**TIME** 1 hour 15 minutes

**INSTRUCTIONS TO CANDIDATES**

Write your name, Centre number and candidate number in the spaces provided on the answer paper.

Answer a total of four questions. Do not answer more than **two** questions from any **one** Option.

You are advised not to attempt questions on Options for which you have not been prepared.

Write your answers on the separate answer paper provided.

Begin each answer on a fresh page.

If you use more than one sheet of paper, fasten the sheets together.

**INFORMATION FOR CANDIDATES**

The number of marks is given in brackets [ ] at the end of each question or part question.

Where relevant, the symbols for aluminium, chlorine and iodine are printed as: *Al*; *Cl*; *I*; respectively.

You are reminded of the need for good English and clear presentation in your answers.

**This question paper consists of 7 printed pages and 1 blank page.**

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# Zimsec Chemistry Question Paper 4

**Barry McBride**

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

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