

New Zealand Scholarship Assessment Specifications

Performance Standard

Chemistry

Mode of Assessment

Written Examination

For Year

2012

Format of the assessment

There will be up to 6 questions. Questions may be open-ended or structured in a step-wise fashion. They may comprise a number of small questions or just one requiring a 'long answer'. Individual questions may cover the content of more than one Level 3 Chemistry achievement standard. Suggested time for each question will be indicated.

Equipment to bring

A calculator is permitted.

Resources or information supplied

A periodic table, giving element symbols, atomic numbers and molar masses, will be provided. Other numerical data will be provided in questions as needed.

Symbols, nomenclature, spelling and formatting will follow IUPAC conventions. These are shown in the reference sheet 'Quantities, Units, Symbols and Nomenclature used in Chemistry'. This is included with the assessment specifications but will not be provided with the examination.

Special Notes

All working should be shown in calculations. Numerical answers should be rounded to an appropriate number of significant figures. Correct units must be included. Explanations and calculations are expected to be well set out and concise.

Content/context Details

It is possible that content knowledge defined by the Level 2 Chemistry achievement standards may be required. Questions may be asked within a variety of appropriate contexts, some of which may be unfamiliar to the candidates. Some questions may involve extended discussion, where the student needs to judge what is required.

Questions relating to practical work may include discussions of sources of error, reliability of data collected and validity of conclusions drawn.