

# New Zealand Scholarship

## Assessment Specifications

Performance Standard	Chemistry
Mode of Assessment	Written Examination
For Year	2013

### Format of the assessment

There will be up to 6 questions. Questions may be open-ended or structured in a step-wise fashion.

### Equipment to bring

An approved 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 as much as possible. There are shown in the reference sheet '*Quantities, Units, Symbols and Nomenclature used in Chemistry*'. This reference sheet 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

Content will be limited to the knowledge of; thermochemical principles and the properties of particles and substances, the properties of organic compounds, equilibrium principles in aqueous systems, and oxidation-reduction processes.

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 candidate needs to judge what is required.

Questions may require skills developed during practical work, such as processing and evaluation of data or information, communication of ideas, and problem solving.

### Quantities, Units, Symbols and Nomenclature

See appendix.