

Science 8 Term 2 Study Guide

For the test for Term 2, you should be able to answer multiple choice and matching questions. You should also be able to take knowledge you have gained in class and apply it in situations similar to those used as examples in class.

This exam will take two full periods.

Additionally, specific topics include:

- Metals and reactions of metals with air/oxygen, water, and acids
- Reactivity (activity) series (won't need to memorize the series, but you will be expected to define it and use a table showing it to predict reactions)
- Extracting metals from ore and compound
- Ohms law, power formula, resistances in parallel and series, analyzing a complex circuit to give the total resistance, total power, voltage drops over series elements, current through individual nodes, and individual power dissipation.
- Circuits: closed, open, and short.
- Energy: what it is, definitions, types.

You will not be able to use notes or other materials on your test. You will have at least two questions requiring an essay-style response, written in complete sentences and paragraph form. You will also have at least 6 short-answer questions which must be written in complete sentences. You **MUST** show your pre-writing when you respond to essay questions.