

**Study Guide for Grade 7 Science**  
**Semester 2 Test 1**

Type	Date	Day	Duration	Scores
Written Test	February 13, 2024	Tuesday	35 minutes	25 points

**Learning expectation**

**Students are expected to:**

- Study from the McGraw Hill Inspire science textbook – **Unit 1 Understanding Matter.**
- Read the student book and focus on the **HIGHLIGHTED** parts.
- Practice answering the questions of graded class works, quiz1 and worksheets solved in the class.
- Understand the concept and **DO NOT** only memorize.
- Apply concept knowledge to answer the questions.

**Skills covered.**

All questions will be based on the skills covered in class.

Level 1	Level 2	Level 3
Define List Choose Classify Illustrate and Label	Compare Contrast Describe Identify	Explain Conclude

**Concepts covered.**

	UNIT 1	
Textbook lessons	<b>Unit 1 Module 1</b> <b>Lesson 1 – Energy and States of Matter</b>	<b>Unit 1 Module 1</b> <b>Lesson 2 – Changes in Temperature</b>
Concepts covered	<ul style="list-style-type: none"><li>• <b>Pg 10, 11:</b> Lab Matter ID's + Properties of States of Matter</li><li>• <b>Pg 12, 13:</b> Investigation (Particles in States of Matter)</li><li>• <b>Pg 14:</b> Particle Movement + Three-Dimensional Thinking</li><li>• <b>Pg 15:</b> Investigation (Temperature and States of Matter)</li><li>• <b>Pg 16:</b> Energy and Temperature + Thermometers+ Three-Dimensional Thinking</li><li>• <b>Pg 19:</b> Matter and Atoms, Substances, Elements</li><li>• <b>Pg 21:</b> Compounds + Investigation (Breaking Down Water)</li><li>• <b>Pg.22:</b> Investigation (Compound Ratios)</li><li>• <b>Pg. 24:</b> Investigation (Element Symbols)</li><li>• <b>Pg. 25:</b> Element Symbols and Chemical Formulas+ Three- Dimensional Thinking</li></ul>	<b>Pgs. 46,47,48,49</b> <ul style="list-style-type: none"><li>• What happens to states of matter as temperature changes?</li><li>• Phase Change: Melting, Vaporization, Evaporation, Freezing, Condensation.</li></ul>

**Refer to google classroom in the SEMESTER 2 TEST REVIEW FOLDER for the following documents.**

- Answer key to all completed graded classwork and quiz.
- Answer key to solved worksheets.
- PDF of pages covered on the textbook with answer keys.