



**Study Guide for Grade 8 Science
Semester 2 Test**

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

Learning expectation

Learners are expected to:

- Study from the McGraw Hill Inspire science textbook – **Unit 3 Understanding Waves.**
- Read the student book and focus on the **HIGHLIGHTED** parts.
- Practice answering the questions of graded class works, quiz and activities done in the textbook.
- 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 Illustrate and Label Identify	Compare Contrast Interpret	Explain Develop logical arguments. Apply concepts. Cite evidence

Concepts covered.

	UNIT 3	
Textbook lessons	Unit 3 Module 1: Introduction to waves Lesson 1 – Wave Properties	Unit 3 Module 2: Light Lesson 1 – How light travels
Concepts covered	<ul style="list-style-type: none"> ● Pg 12: What is a wave? ● Pg 13: Mechanical Waves. ● Pg 14: Longitudinal Waves: ● Pg 15: Water waves ● Pg 18: Amplitude and Energy ● Pg 19: Proportional relationships ● Pg 20: Three-dimensional thinking ● Pg 22: Amplitude and Loudness ● Pg 26, 27: Wavelength and Frequency ● Pg 28: Three-Dimensional thinking ● Pg 30: Pitch 	<ul style="list-style-type: none"> ● Pg 70: What is light? ● Pg 71: Across the spectrum ● Pg 72: Properties of Light ● Pg 74: Speed of Light ● Pg 76: Light Sources ● Pg 79: Transmission ● Pg 80: Absorption and Reflection

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.