

- Answer ALL the questions in the same handwriting.
- Non-programmable calculators may be used.
- Appropriate mathematical instruments may be used.
- Round off your final numerical answers to a minimum of two decimal places.
- Give detailed reasons, discussions, if asked where needed.
- Write neatly and legibly.

Learner's Name

Learner's Surname

Grade

Page 1 of 5

The following are represented by A, B and C:  
 A) Amplitude, wavelength, wave length  
 B) Crest, trough, wavelength  
 C) Amplitude, wave length, pulse length  
 D) Crest, trough, wavelength

[2 Marks]

1.5. The diagram below shows two points A and B on a wave.



Page 2 of 5

### Physical Sciences – Paper 1 (Physical)

How many wavelengths separate point A and B?

A) 1,25

B) 1

C) 1,5

D) 3

[2 Marks]

1.6. Devices are sometimes placed under the hulls of a boat's hulls. This equipment sends the following wave...

A) X-ray

B) Infrared light

C) Ultrasound

D) Ultra violet light

[2 Marks]

1.7. The following are an example of electromagnetic waves:

A) Microwaves, visible light, X-rays

B) X-rays, visible light, microwaves

C) Microwaves, X-rays, visible light

### Physical Sciences – Paper 1 (Physical)

2.2. Identify TWO points in the graph at which the particles would be moving in the same direction.

[2 Marks]

2.3. Which point has the maximum displacement?

[1 Mark]

Calculate

2.4. The frequency of the wave produced

[2 Marks]

2.5. The wavelength of the wave produced

[1 Mark]

# Grade 10 Physics Papers

**S Marginson**



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## **Table of Contents Grade 10 Physics Papers**

1. Understanding the eBook Grade 10 Physics Papers
  - The Rise of Digital Reading Grade 10 Physics Papers
  - Advantages of eBooks Over Traditional Books
2. Identifying Grade 10 Physics Papers
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Grade 10 Physics Papers
  - User-Friendly Interface
4. Exploring eBook Recommendations from Grade 10 Physics Papers
  - Personalized Recommendations
  - Grade 10 Physics Papers User Reviews and Ratings
  - Grade 10 Physics Papers and Bestseller Lists
5. Accessing Grade 10 Physics Papers Free and Paid eBooks
  - Grade 10 Physics Papers Public Domain eBooks
  - Grade 10 Physics Papers eBook Subscription Services
  - Grade 10 Physics Papers Budget-Friendly Options
6. Navigating Grade 10 Physics Papers eBook Formats

- ePub, PDF, MOBI, and More
- Grade 10 Physics Papers Compatibility with Devices
- Grade 10 Physics Papers Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Grade 10 Physics Papers
  - Highlighting and Note-Taking Grade 10 Physics Papers
  - Interactive Elements Grade 10 Physics Papers
- 8. Staying Engaged with Grade 10 Physics Papers
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Grade 10 Physics Papers
- 9. Balancing eBooks and Physical Books Grade 10 Physics Papers
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Grade 10 Physics Papers
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Grade 10 Physics Papers
  - Setting Reading Goals Grade 10 Physics Papers
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Grade 10 Physics Papers
  - Fact-Checking eBook Content of Grade 10 Physics Papers
  - Distinguishing Credible Sources
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  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
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