

- Answer ALL the questions in the same handwriting
- Non-programmable calculator 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 displacement of mass  $m$  at points A and B is zero.



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 front of a car to detect if it is equipped with 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]

# Physical Science Paper 1 Grd10 2013

**Joacim Rocklöv**



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### **Table of Contents Physical Science Paper 1 Grd10 2013**

1. Understanding the eBook Physical Science Paper 1 Grd10 2013
  - The Rise of Digital Reading Physical Science Paper 1 Grd10 2013
  - Advantages of eBooks Over Traditional Books
2. Identifying Physical Science Paper 1 Grd10 2013
  - 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 Physical Science Paper 1 Grd10 2013
  - User-Friendly Interface
4. Exploring eBook Recommendations from Physical Science Paper 1 Grd10 2013
  - Personalized Recommendations

- Physical Science Paper 1 Grd10 2013 User Reviews and Ratings
- Physical Science Paper 1 Grd10 2013 and Bestseller Lists
- 5. Accessing Physical Science Paper 1 Grd10 2013 Free and Paid eBooks
  - Physical Science Paper 1 Grd10 2013 Public Domain eBooks
  - Physical Science Paper 1 Grd10 2013 eBook Subscription Services
  - Physical Science Paper 1 Grd10 2013 Budget-Friendly Options
- 6. Navigating Physical Science Paper 1 Grd10 2013 eBook Formats
  - ePub, PDF, MOBI, and More
  - Physical Science Paper 1 Grd10 2013 Compatibility with Devices
  - Physical Science Paper 1 Grd10 2013 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Physical Science Paper 1 Grd10 2013
  - Highlighting and Note-Taking Physical Science Paper 1 Grd10 2013
  - Interactive Elements Physical Science Paper 1 Grd10 2013
- 8. Staying Engaged with Physical Science Paper 1 Grd10 2013
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Physical Science Paper 1 Grd10 2013
- 9. Balancing eBooks and Physical Books Physical Science Paper 1 Grd10 2013
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Physical Science Paper 1 Grd10 2013
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Physical Science Paper 1 Grd10 2013
  - Setting Reading Goals Physical Science Paper 1 Grd10 2013
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Physical Science Paper 1 Grd10 2013
  - Fact-Checking eBook Content of Physical Science Paper 1 Grd10 2013

- Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
- 14. Embracing eBook Trends
  - Integration of Multimedia Elements
  - Interactive and Gamified eBooks

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