# GRADE 10 PHYSICAL SCIENCES PAPER 2 Memorandum

**JUNE 2023** 

QUESTION 1

1.1. C Y

1.2. D

1.4. A

1.5. A --

[10]

#### QUESTION 2

- 2.1.
- 2.1.1. A pure substance is a substance that cannot be separated into simpler components by physical methods.
- 2.1.2.1 Element <
- 2.1.2.2 Consists of only one type of atom.
- 2.1,2.3 It is a combination of different metals (copper and zinc).
- 2.2. Pots and pans are made of metal, because metal is a good <u>conductor</u> which allows heat to be transferred so that food can cook. The handles are <u>insulators</u> so that you do not burn your hands when you pick up a hot pot.
- 2.3.1. (a) Temperature 🗸
- (b) Time 
  2.3.2. Boiling point is the temperature of a liquid at which its vapour pressure equals to the external (atmospheric) pressure
- 2.3.3. The temperature remains constant because the energy is absorbed by the molecules. 🗸

The strength of the intermolecular forces between the molecules decreases. 

The particles move faster and spaces between the particles increases. 

The substance changes phase from liquid to gas

[15]

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#### **Table of Contents Physical Science P2 Grade 10 Memorandum**

- 1. Understanding the eBook Physical Science P2 Grade 10 Memorandum
  - The Rise of Digital Reading Physical Science P2 Grade 10 Memorandum
  - Advantages of eBooks Over Traditional Books
- 2. Identifying Physical Science P2 Grade 10 Memorandum
  - 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 P2 Grade 10 Memorandum
  - User-Friendly Interface
- 4. Exploring eBook Recommendations from Physical Science P2 Grade 10 Memorandum
  - Personalized Recommendations
  - Physical Science P2 Grade 10 Memorandum User Reviews and Ratings
  - Physical Science P2 Grade 10 Memorandum and Bestseller Lists
- 5. Accessing Physical Science P2 Grade 10 Memorandum Free and Paid eBooks

- Physical Science P2 Grade 10 Memorandum Public Domain eBooks
- Physical Science P2 Grade 10 Memorandum eBook Subscription Services
- Physical Science P2 Grade 10 Memorandum Budget-Friendly Options
- 6. Navigating Physical Science P2 Grade 10 Memorandum eBook Formats
  - o ePub, PDF, MOBI, and More
  - Physical Science P2 Grade 10 Memorandum Compatibility with Devices
  - Physical Science P2 Grade 10 Memorandum Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Physical Science P2 Grade 10 Memorandum
  - Highlighting and Note-Taking Physical Science P2 Grade 10 Memorandum
  - Interactive Elements Physical Science P2 Grade 10 Memorandum
- 8. Staying Engaged with Physical Science P2 Grade 10 Memorandum
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Physical Science P2 Grade 10 Memorandum
- 9. Balancing eBooks and Physical Books Physical Science P2 Grade 10 Memorandum
  - Benefits of a Digital Library
  - $\circ$  Creating a Diverse Reading Collection Physical Science P2 Grade 10 Memorandum
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Physical Science P2 Grade 10 Memorandum
  - Setting Reading Goals Physical Science P2 Grade 10 Memorandum
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Physical Science P2 Grade 10 Memorandum
  - Fact-Checking eBook Content of Physical Science P2 Grade 10 Memorandum
  - 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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