

QUESTION 1

- 1.1. C ✓✓
- 1.2. D ✓✓
- 1.3. B ✓✓
- 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 conductor which allows heat to be transferred so that food can cook. ✓ The handles are insulators 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 Grade Physical Science P2 June 2014 Smartlearner Memo**

1. Understanding the eBook Grade Physical Science P2 June 2014 Smartlearner Memo
  - The Rise of Digital Reading Grade Physical Science P2 June 2014 Smartlearner Memo
  - Advantages of eBooks Over Traditional Books
2. Identifying Grade Physical Science P2 June 2014 Smartlearner Memo
  - 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 Physical Science P2 June 2014 Smartlearner Memo
  - User-Friendly Interface
4. Exploring eBook Recommendations from Grade Physical Science P2 June 2014 Smartlearner Memo
  - Personalized Recommendations
  - Grade Physical Science P2 June 2014 Smartlearner Memo User Reviews and Ratings
  - Grade Physical Science P2 June 2014 Smartlearner Memo and Bestseller Lists
5. Accessing Grade Physical Science P2 June 2014 Smartlearner Memo Free and Paid eBooks

- Grade Physical Science P2 June 2014 Smartlearner Memo Public Domain eBooks
  - Grade Physical Science P2 June 2014 Smartlearner Memo eBook Subscription Services
  - Grade Physical Science P2 June 2014 Smartlearner Memo Budget-Friendly Options
6. Navigating Grade Physical Science P2 June 2014 Smartlearner Memo eBook Formats
- ePub, PDF, MOBI, and More
  - Grade Physical Science P2 June 2014 Smartlearner Memo Compatibility with Devices
  - Grade Physical Science P2 June 2014 Smartlearner Memo Enhanced eBook Features
7. Enhancing Your Reading Experience
- Adjustable Fonts and Text Sizes of Grade Physical Science P2 June 2014 Smartlearner Memo
  - Highlighting and Note-Taking Grade Physical Science P2 June 2014 Smartlearner Memo
  - Interactive Elements Grade Physical Science P2 June 2014 Smartlearner Memo
8. Staying Engaged with Grade Physical Science P2 June 2014 Smartlearner Memo
- Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Grade Physical Science P2 June 2014 Smartlearner Memo
9. Balancing eBooks and Physical Books Grade Physical Science P2 June 2014 Smartlearner Memo
- Benefits of a Digital Library
  - Creating a Diverse Reading Collection Grade Physical Science P2 June 2014 Smartlearner Memo
10. Overcoming Reading Challenges
- Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Grade Physical Science P2 June 2014 Smartlearner Memo
- Setting Reading Goals Grade Physical Science P2 June 2014 Smartlearner Memo
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Grade Physical Science P2 June 2014 Smartlearner Memo
- Fact-Checking eBook Content of Grade Physical Science P2 June 2014 Smartlearner Memo
  - 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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