



GRADE 9 NATURAL SCIENCES NOVEMBER EXAMINATION

SECTION A QUESTION 1

1.1 Various options are provided as answers to the following questions. Choose

the correct answer and write ONLY the LETTER(A-D) next to the QUESTION NUMBER (1.1.1-1.1.10) on your answer sheet, for example 1.1.11 D.

1.1.1 If cells are added in parallel the total voltage will...

- A Increase
- B Decrease
- C Remain the same
- D Increase then decrease

1.1.2 Why do we use copper in our house's wiring?

- A Good insulator
- B Good and cheap conductor
- C Good, but expensive conductor
- D Good and cheap insulator

1.1.3 The energy conversion that takes place in a cell:

- A chemical → electrical → kinetic
- B electrical → chemical → kinetic
- C chemical → electrical
- D chemical → kinetic

1.1.4 Koeberg is this type of power station:

- A Coal
- B Hydroelectricity
- C Nuclear
- D Solar

1.1.5 An example of a wet cell:

- A torch
- B radios
- C car battery
- D toys

1.1.6 Example of converting wasted energy to useful energy:

- A Filament lightbulbs
- B Heating elements
- C Buzzers
- D Electrical motors

1.1.7 As the altitude increase the ... will decrease.

- A Temperature
- B Mass
- C Density
- D Distance

1.1.8 Which of the following is NOT a greenhouse gas?

- A CH₄
- B water vapour
- C H₂O
- D carbon dioxide

1.1.9 The reason why thicker wires offer lower resistance is...

- A there is less space for protons to move.
- B there is more space for the protons to move.
- C there is less space for the electrons to move.
- D there is more space for the electrons to move.

1.1.10 Factor that affects the magnitude of gravitational force:

- A Mass
- B Weight
- C Height
- D None of the above.

(10x1)

1.2 Provide the correct TERM for the following descriptions. Write ONLY the correct

TERM next to the QUESTION NUMBER (1.2.1-1.2.7) on your answer sheet.

1.2.1 Solution that can conduct electricity

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Lingjun Ying



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Table of Contents Grade 9 Ns Exemplar November

1. Understanding the eBook Grade 9 Ns Exemplar November
 - The Rise of Digital Reading Grade 9 Ns Exemplar November
 - Advantages of eBooks Over Traditional Books
2. Identifying Grade 9 Ns Exemplar November
 - 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 9 Ns Exemplar November
 - User-Friendly Interface
4. Exploring eBook Recommendations from Grade 9 Ns Exemplar November
 - Personalized Recommendations
 - Grade 9 Ns Exemplar November User Reviews and Ratings
 - Grade 9 Ns Exemplar November and Bestseller Lists

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