



GRADE 10 LIFE SCIENCES MARCH TEST

SECTION A QUESTION 1

- 1.1 Various options are provided as possible answers to the following questions. Choose the correct answer and write **ONLY** the LETTER (A-D) next to the QUESTION NUMBER (1.1.1-1.1.5) on your folio paper. Example 1.1.6: D.

On 10 learners conducted an investigation over a period of time every afternoon at noon to determine the wind speed at various altitudes.

Answer question 1.1.1- 1.1.3 using the above-mentioned statement.

- 1.1.1 Which of the following options would be the independent variable?
 A Wind speed
 B Wind altitude
 C Time of day
 D Direction of flow
- 1.1.2 Which of the following options would be considered the dependent variable?
 A Wind speed
 B Wind altitude
 C Time of day
 D Direction of flow
- 1.1.3 Which of the following options would be a fixed variable?
 A Wind speed
 B Wind altitude
 C Time of day
 D Direction of flow
- 1.1.4 The following is **NOT** an abiotic factor in the ecosystem of a grasshopper.
 A The air in the air
 B The temperature in the environment
 C The water in the soil
 D The speed of the wind in the air

- 1.1.5 Which of the following is the most appropriate example of a population?
 A All organisms in a specific region of the Kruger National Park
 B All lions in a 100 km² area
 C All lions in the Kruger National Park
 D All lions in a specific region of the Kruger National Park

[5x2=10]

- 1.2 Give the correct BIOLOGICAL TERM for each of the following statements. Write **ONLY** the TERM next to the QUESTION NUMBER (1.2.1-1.2.4).

- 1.2.1 *Study of all the organisms of an area together*
 1.2.2 *Study of the effect of biotic and abiotic factors on the distribution of organisms*
 1.2.3 *Study of the distribution of organisms*
 1.2.4 *Study of the distribution of organisms*

[4x1=4]

- 1.3 Indicate whether each of the statements in COLUMN I applies to A ONLY, B ONLY, BOTH A and B or NONE of the items in COLUMN II. Write A ONLY, B ONLY, BOTH A and B or NONE next to the QUESTION NUMBER (1.3.1-1.3.3).

	COLUMN I	COLUMN II
1.3.1	Location of the Savanna biome in South Africa	A. Savannah B. Desert
1.3.2	Climate refers to	A. Temperature B. Humidity
1.3.3	Sources that decrease carbon dioxide in the atmosphere	A. Photosynthesis B. Respiration

[3x2=6]

[TOTAL SECTION A = 20]

Life Science Grade10 Exam Dec P1 2014 Memo

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Table of Contents Life Science Grade10 Exam Dec P1 2014 Memo

1. Understanding the eBook Life Science Grade10 Exam Dec P1 2014 Memo
 - The Rise of Digital Reading Life Science Grade10 Exam Dec P1 2014 Memo
 - Advantages of eBooks Over Traditional Books
2. Identifying Life Science Grade10 Exam Dec P1 2014 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 Life Science Grade10 Exam Dec P1 2014 Memo
 - User-Friendly Interface
4. Exploring eBook Recommendations from Life Science Grade10 Exam Dec P1 2014 Memo
 - Personalized Recommendations
 - Life Science Grade10 Exam Dec P1 2014 Memo User Reviews and Ratings
 - Life Science Grade10 Exam Dec P1 2014 Memo and Bestseller Lists
5. Accessing Life Science Grade10 Exam Dec P1 2014 Memo Free and Paid eBooks
 - Life Science Grade10 Exam Dec P1 2014 Memo Public Domain eBooks
 - Life Science Grade10 Exam Dec P1 2014 Memo eBook Subscription Services
 - Life Science Grade10 Exam Dec P1 2014 Memo Budget-Friendly Options

6. Navigating Life Science Grade10 Exam Dec P1 2014 Memo eBook Formats
 - ePub, PDF, MOBI, and More
 - Life Science Grade10 Exam Dec P1 2014 Memo Compatibility with Devices
 - Life Science Grade10 Exam Dec P1 2014 Memo Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Life Science Grade10 Exam Dec P1 2014 Memo
 - Highlighting and Note-Taking Life Science Grade10 Exam Dec P1 2014 Memo
 - Interactive Elements Life Science Grade10 Exam Dec P1 2014 Memo
8. Staying Engaged with Life Science Grade10 Exam Dec P1 2014 Memo
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Life Science Grade10 Exam Dec P1 2014 Memo
9. Balancing eBooks and Physical Books Life Science Grade10 Exam Dec P1 2014 Memo
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Life Science Grade10 Exam Dec P1 2014 Memo
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Life Science Grade10 Exam Dec P1 2014 Memo
 - Setting Reading Goals Life Science Grade10 Exam Dec P1 2014 Memo
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Life Science Grade10 Exam Dec P1 2014 Memo
 - Fact-Checking eBook Content of Life Science Grade10 Exam Dec P1 2014 Memo
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements

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