



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 1.1.5: D.

Gr 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 Time of day
- B Altitude
- C Wind speed
- D Day of the month

1.1.2 Which of the following options would be considered the dependent variable?

- A Time of day
- B Altitude
- C Wind speed
- D Day of the month

1.1.3 Which of the following options would be a fixed variable?

- A Time of day
- B Altitude
- C Wind speed
- D Day of the month

1.1.4 The following is NOT an abiotic factor in the ecosystem of a grasshopper.

- A The climate
- B The grass and other plants
- C The microorganisms
- D The aquatic environment

1.1.5 Which of the following is the most appropriate example of a population?

- A A group of people in a classroom
- B A group of people in a town
- C A group of people in a country
- D A group of people in a continent

[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 *Cell of the human skin* (1 mark)

1.2.2 *Cell that makes oxygen for the human body* (1 mark)

1.2.3 *Cell of the heart* (1 mark)

1.2.4 *Cell of the human skin that makes hair* (1 mark)

[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: Only B: Only C: Both A and B D: None
1.3.2	Climate refers to	A: Temperature B: Rainfall C: Both A and B D: None
1.3.3	Sources that decrease carbon dioxide in the atmosphere	A: Volcanoes B: Plants C: Both A and B D: None

[3x2=6]

[TOTAL SECTION A = 20]

Grade 10 Life Science Memorandum

Daryl E. Chubin

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