



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** (1.1.1-1.1.4) from your folio paper. Example: 1.1.1-B.

On 10 January conducted an investigation over a period of time (only afternoon at times) to determine the wind speed at various altitudes.

Answer question 1.1.1-1.1.4 using the above-mentioned statement.

- 1.1.1 Which of the following options would be the independent variable?
- Wind speed
 - Altitude above sea level
 - The weather
 - Location of the
- 1.1.2 Which of the following options would be considered the dependent variable?
- Wind speed
 - Altitude above sea level
 - The weather
 - Location of the
- 1.1.3 Which of the following options would be a fixed variable?
- Wind speed
 - Altitude above sea level
 - The weather
 - Location of the
- 1.1.4 The following is **NOT** an abiotic factor in the ecosystem of a grasshopper.
- The climate
 - The temperature of the soil
 - The amount of water
 - The amount of light received

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

- All organisms in a pond
- All the grass in a field
- All the grass in a field
- All the grass in a field

[2-10]

- 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 A group of individuals of the same species living in the same area.
- 1.2.2 A group of individuals of the same species living in the same area.
- 1.2.3 A group of individuals of the same species living in the same area.
- 1.2.4 A group of individuals of the same species living in the same area.

[2-10]

- 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. Climate B. Soil C. Water D. Light
1.3.2	Climate refers to	A. The weather B. The temperature C. The amount of water D. The amount of light
1.3.3	Stated that the wind speed (which depends on the atmosphere)	A. Wind speed B. Wind direction C. Wind force D. Wind frequency

[2-10]
TOTAL SECTION A = 20

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