



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 of 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 specific 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 biological characteristics of an organism*
 1.2.2 *Study of the structure and function of cells*
 1.2.3 *Study of the structure and function of the heart*
 1.2.4 *Study of the structure and function of the brain*

[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]

Grade 10 Life Science Memorandum

Daryl E. Chubin



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web 1 if the pe of the reactants is 430kJ and the pe of the products is 190kJ what is the Δh 2 if the pe of the reactants is 430kJ and the activation energy is 220 how much total energy will be needed to be added for the reaction to proceed transcribed image text potential energy diagram answer the questions using the graph

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web mar 17 2016 3 what is the activation energy of a reaction and how is this energy related to the activated complex of the reaction E_a is the minimum amount of energy for a reaction to occur it is the amount of energy required to create an activated complex 4 what happens when a catalyst is used in a reaction a catalyst changes the reaction

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