



LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
EDUCATION

MOPANI WEST DISTRICT

GRADE 8

NATURAL SCIENCES

TERM 1 TEST

MARCH 2024

MARKS: 60

TIME: 2 hours

INSTRUCTIONS AND INFORMATION

1. This question paper consists of SECTION A and SECTION B based on the prescribed content framework in the CAPS document.
2. Answer ALL the questions in the question paper.
3. Number the answers correctly according to the numbering system in the question paper
4. Write neatly and legibly.

SECTION A
QUESTION 1

1.1 Various options are provided as possible answers to the following questions. Choose the answer and only write down the letter (A – D) of the correct answer next to the question number (1.1.1 – 1.1.5).

1.1.1. In which organelle does photosynthesis take place?

- A Vacuole
 - B Chloroplast
 - C Mitochondrion
 - D Nucleus
- (2)

1.1.2. A group of individuals from the same species living in the same ecosystem at the same time.

- A Community
 - B Species
 - C Population
 - D Ecosystem
- (2)

1.1.3 The group of animals that eat the flesh of dead animals.

- A Predators
 - B Producers
 - C Scavengers
 - D Herbivores
- (2)

1.1.4 The following is NOT an example of a micro-organism.

- A Virus.
 - B Mushroom.
 - C Bacterium.
 - D Protista
- (2)

1.1.5 The illegal removal of animals or plants from the wild

- A Adaptation
 - B Pollution
 - C Disruption
 - D Poaching
- (2)

1.2 Give the correct scientific term for each of the following descriptions. Write ONLY the term

- 1.2.1 A type of sugar, produced by plants during photosynthesis (1)
- 1.2.2 Organisms that feed on plant material only (1)
- 1.2.3 Organisms that rely on other organisms for food (1)
- 1.2.4 Organisms that contain most energy in a food chain (1)
- 1.2.5 Micro-organisms that causes diseases (1)

1.3 Choose an item from COLUMN B that matches a statement in COLUMN A. Write only letter (A-I) next to the question number (1.3.1-1.3.5) in the answer book.

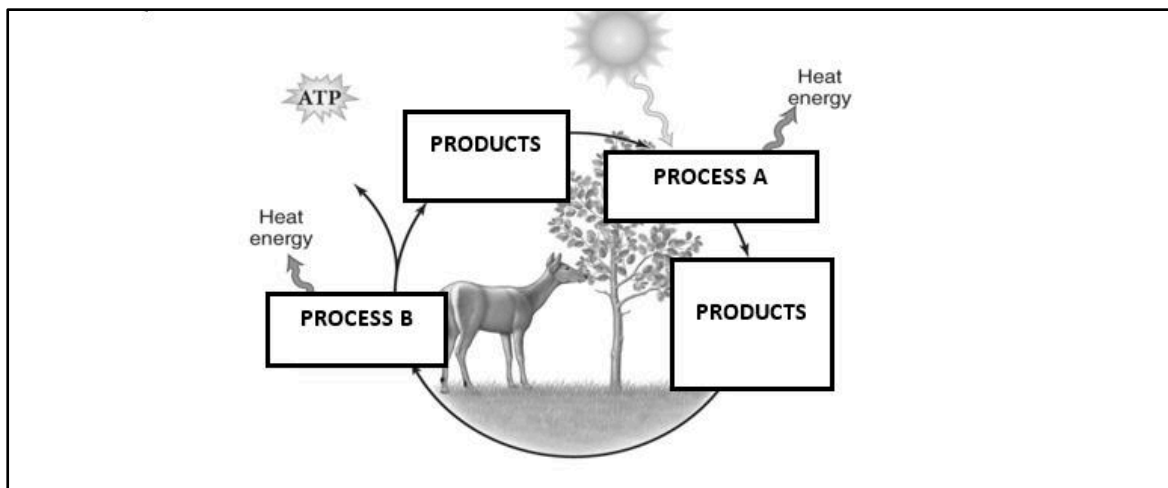
COLUMN A	COLUMN B
1.3.1 An adaptation which allow animals to hide by blending in with its surroundings	A. Ecosystem
1.3.2 The test for the presence of carbon dioxide in exhaled air	B. Predator
1.3.3 The living components of an ecosystem	C. Producer
1.3.4 Animals that hunt and kill other animals for food	D. Camouflage
1.3.5 A place where living organisms interact together with their non-living environment	E. Clear lime water turns milky
	F. Biotic
	G. Mimicry

(5×2=10)
(25)

SECTION B

Question 2

2.1 Study the diagram below. It represents important cellular processes. Answer the questions

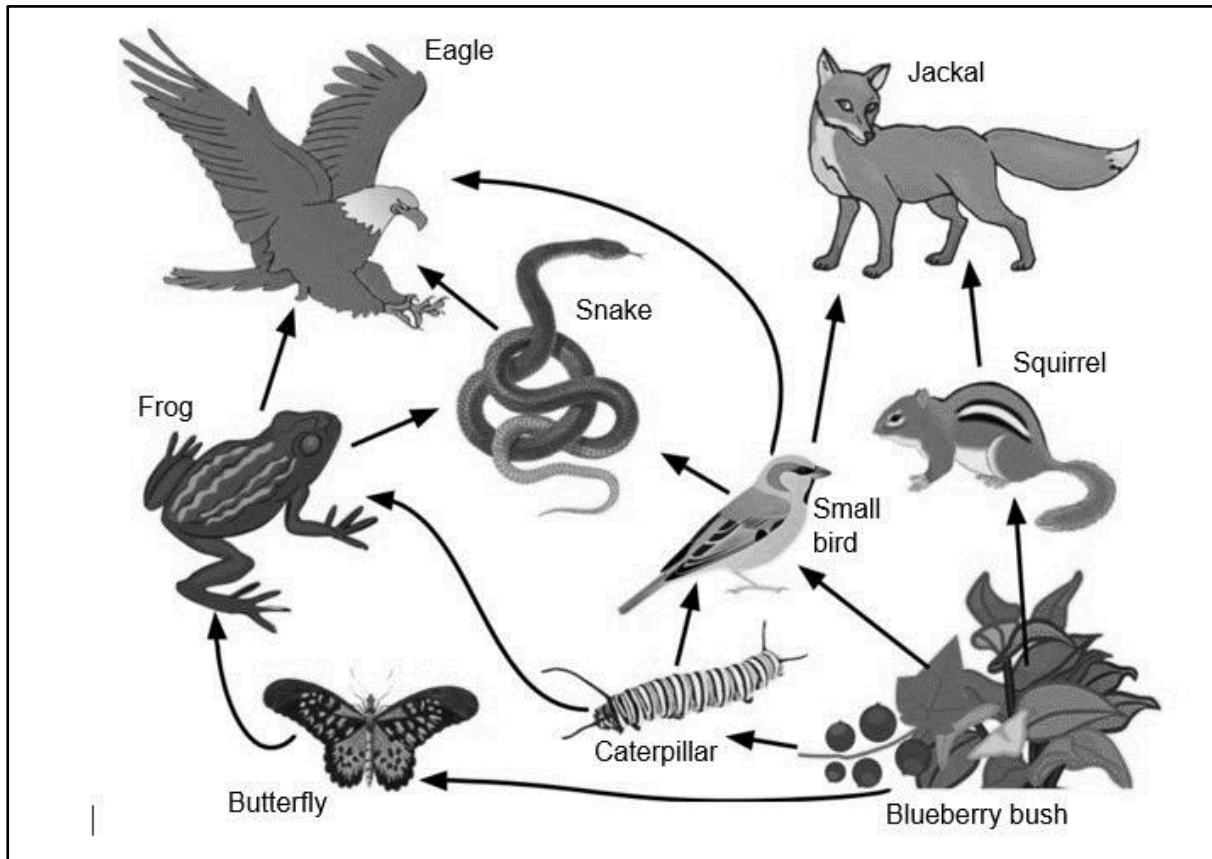


- 2.1.1. Name the process taking place in A. (1)
2.1.2. Which pigment is responsible for the process taking place in A? (1)
2.1.3. Name the process taking place in B. (1)
2.1.4. Name the most important gas required (needed) for Process B (1)
2.1.5. Name TWO products formed during Process B. (2)
2.1.6. Which one of the above processes A or B releases energy? (1)
2.1.7. Which one of the above processes A or B do not need light to take place? (1)
2.1.8. Write down the word equation for Photosynthesis (2)

(10)

Question 3

3.1 Study the diagram below and answer the questions that follow.



3.1.1 Provide the diagram with a suitable heading and explain why (2)

3.1.2 Construct a food chain using four (4) organisms from the above given diagram (5)

3.1.3 Use the diagram to identify

(a). Herbivore (1)

(b) Scavenger (1)

(c). Carnivore (1)

3.1.4. What will happen if the blueberry bush was removed from the ecosystem? (2)

3.1.5 Give the difference between abiotic and biotic factors and mention one example each (4)

(16)

Question 4

4.1. Describe COVID19 under the following headings:

- (a) How the diseases is caused (1)
 - (b). Effects of the illness on the human body or the symptoms (2)
 - (c). Treatment (2)
 - (d). How to prevent the disease (2)
 - (e). Explain what meant by antiseptic (2)
- (9)**

[GRAND TOTAL: 60]