



LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
EDUCATION

SEKHUKHUNE EAST EDUCATION DISTRICT – DISTRICT ON THE RISE

**SENIOR PHASE
(GET)**

GRADE: 09

**NATURAL SCIENCES
TERM 1 BASELINE TEST
20 JANUARY 2025**

**MARKS: 20
DURATION: 30 MINUTES**

This question paper consists of 5 pages.

INSTRUCTIONS AND INFORMATION

1. Write your name in the appropriate space on the ANSWER SCRIPT.
2. This question paper consists of TWO SECTIONS and FOUR QUESTIONS. Answer ALL questions.
3. Number the answers according to the numbering system used in this question paper.
4. Give brief explanations, discussions, etcetera where required.
5. Write neatly and legibly.

SECTION A [06 MARKS]

QUESTION 1 MULTIPLE-CHOICE QUESTIONS

Four options are provided as possible answers to the following questions. Each question has only ONE correct answer. Write only the letter for the question number (1.1–1.4) in the ANSWER BOOK.

1.1 In which of the following structures is photosynthesis taking place?

- A. Chloroplast.
- B. Cell wall.
- C. Cytoplasm.
- D. Nucleus. (1)

1.2 The part where respiration takes place.

- A. Chloroplast.
- B. Mitochondria.
- C. Vacuole.
- D. Cytoplasm. (1)

1.3 The energy that is stored in an object or system.

- A. Radiant energy
- B. Potential energy
- C. Kinetic energy
- D. Electrical energy (1)

[03]

QUESTION 2 MATCH ITEMS

Match each of the descriptions in COLUMN A with one of the terms/phrases in COLUMN B. Write the question number (2.1 – 2.3) from COLUMN A on the answer book and the correct letter (A – E) of your chosen answer from COLUMN B next to the question number.

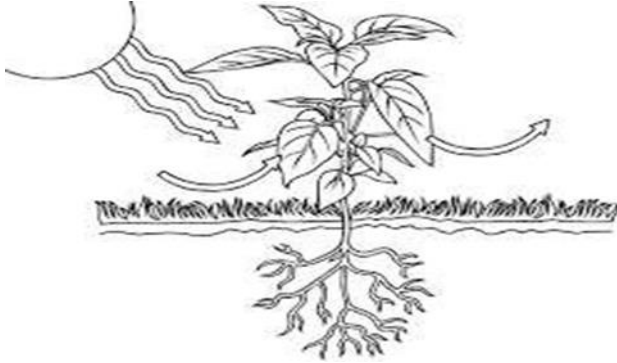
COLUMN A	COLUMN B
2.1 A green pigment in the plant cells that absorbs radiant energy.	A. GLUCOSE
2.2 The process during which sugar is broken down and energy is released.	B. ECOSYSTEM
2.3 The name of the sugar produced when plants make their food	C. CHLOROPLAST
	D. RESPIRATION
	E CHLOROPHYLL

[03]

SECTION B [14]

QUESTION 3

Study the diagram below and answer the questions that follow:



- 3.1 Name the gas needed for photosynthesis. (1)
- 3.2 Give the function of the sun in photosynthesis. (2)
- 3.3 Explain what happens during the process of photosynthesis. (3)
- 3.4 What are the by-products of photosynthesis? (2)

[8]

QUESTION 4

Study the diagram below and answer the questions that follow:



- 4.1 Name the gas required for respiration to occur. (1)
- 4.2 Describe where each substance required for respiration comes from. (2)
- 4.3 Explain why this process is important in life. (3)

[6]

GRAND TOTAL: 20 MARKS