



DEPARTMENT OF  
EDUCATION

SEKHUKHUNE SOUTH

GENERAL EDUCATION AND TRAINING

NATURAL SCIENCES AND TECHNOLOGY

GRADE 6

TERM 1 2023

MEMORANDUM

SECTION A

QUESTION 1

- 1.1 D ✓ (1)  
1.2 A ✓ (1)  
1.3 B ✓ (1)  
(3)

QUESTION 2

- 2.1 B ✓ (1)  
2.2 C ✓ (1)  
2.3 A ✓ (1)

QUESTION 3

- 3.1 (a) Cereal or bread or bread roll or rice or banana or apple or pumpkin or cabbage or grape juice (any one of ✓ ) (1)  
(b) Milk or beans or cheese or fish or peanuts (any one of ✓ ) (1)  
(c) Margarine or oil or peanuts (any one of ✓ ) (1)  
(d) Milk or cheese or cereal or banana or apple or pumpkin or cabbage or grape juice (any one of ✓ ) (1)  
3.2 Milk or cheese or beans or peanuts or fish, (any one of ✓ ) (1)  
3.3 a) Yes or No ✓ (1)  
b) ✓✓

If **No**-Thembi's diet does not contain the right amounts of servings from each food group

**OR**

If **Yes**- Thembi's diet includes food from each food group (2)

c) Grains and or /dairy products ✓ (1)

d) One serving of fish ✓ (1)

**(10)**

#### QUESTION 4

4.1.1 Water

4.1.2 Sunlight (1)

4.1.3 Carbon dioxide (1)

4.2.1 Carbon dioxide (1)

4.2.2 Oxygen (1)

4.2.3 in the leaves (1)

#### QUESTION 5

5.1 maize, spinach and pumpkin (Any one of✓) (1)

5.2 snails, beetles (Any one of✓) (1)

5.3 Birds (1)

5.4 Thandi needs vegetables as food.

Snails and beetles feed on vegetables to survive.

Birds need snails and beetles as food. (Any one of✓) (1)

5.5 Plants as living things depend on water (non-living thing) and sunlight for growth. Plants also need soil.

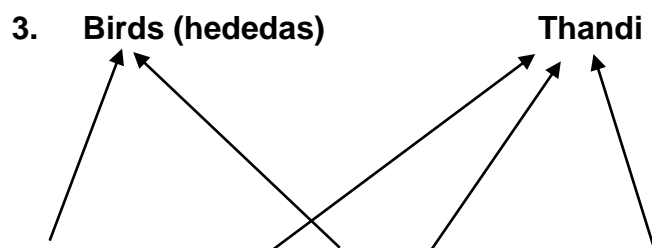
Thandi depends on the soil in order to plant the vegetables for her family.

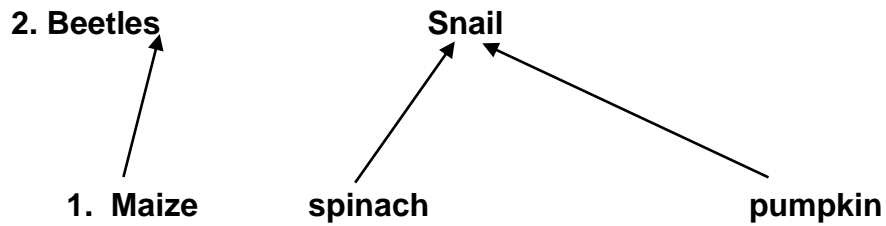
Living things (human and animals) need air to stay alive. (Any two of✓ ✓) (2)

5.6 Thandi's garden contains both living and non-living things that depend on each other in different ways. ✓

E.g snails depends on spinach leaves and birds depend on snails etc. ✓

5.7





- a. 1 mark for all the producers.
- b. 1 mark for all the secondary consumers
- c. 1 mark for all the tertiary consumers.
- d. 1 mark for the correct labeling.

### QUESTION 6

Animals need to breath in oxygen from the air ✓ and breath out carbon dioxide.✓  
During photosynthesis plants take in carbon dioxide ✓ and take out oxygen  
And that oxygen animals breathe it in and let out carbon dioxide.✓  
This cycle continues and is called the oxygen-carbon dioxide cycle✓