education

Department of Education
FREE STATE PROVINCE

NATURAL SCIENCES & TECHNOLOGY

TERM 1 STANDARDIZED PAPER 2020

GRADE 6

MARKS: 50

TIME: 1 Hour

Examiner(s)	Mandries K
Internal moderator	Ms Sefatsa
External moderator	Mofya PM

Name & Surname: _____

School: _____

Class: _____

Date: _____

This question paper consists of 8 pages.

INSTRUCTIONS

1. Read all questions carefully before answering.
2. Answer all questions.
3. Write neatly and legibly.
4. Write your answers on the spaces provided on this paper.

SECTION A

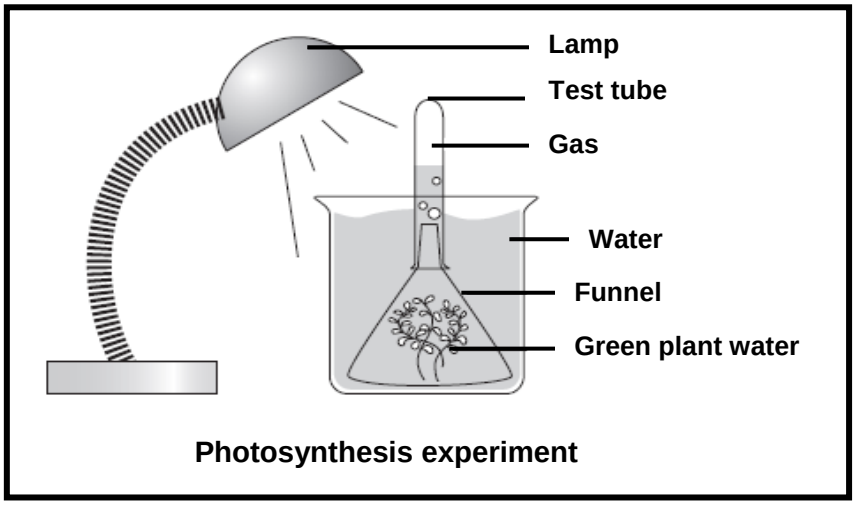
Question 1

Read each question and make a circle around the letter A, B, C or D that is the correct answer.

1.1 The following is an example of a process to preserve food.

A. Mixing
B. Rolling
C. Colouring
D. Pickling. (1)

1.2 Study the diagram below and answer the question that follows.



Photosynthesis experiment

Which gas will be formed in the test tube during the process shown above?

A. Carbon Dioxide
B. Hydrogen (1)
C. Oxygen
D. Nitrogen.

1.3 What is the best reason for including fruits and leafy vegetables in a healthy diet?

A. They have a high water content.
B. They are the best source of protein.
C. They are rich in minerals and vitamins.
D. They are best source of carbohydrates. (1)

1.4 A system in the body that protects it from germs and disease

A. nervous system.
B. immune system.
C. digestive system.
D. Urinary system. (1)

1.5 Processing is a process were……
A. food is wasted. (1)
B. food is made to last longer/preserved.
C. food is fermented.
D. food is destroyed.

(5)

QUESTION 2

Parts of the following statements are incorrect, rectify the underlined words. Write only the correct answers on the space provided.

2.1 Photosynthesis takes place at night ……..

2.2 During the process of photosynthesis green leaves absorb oxygen ……..

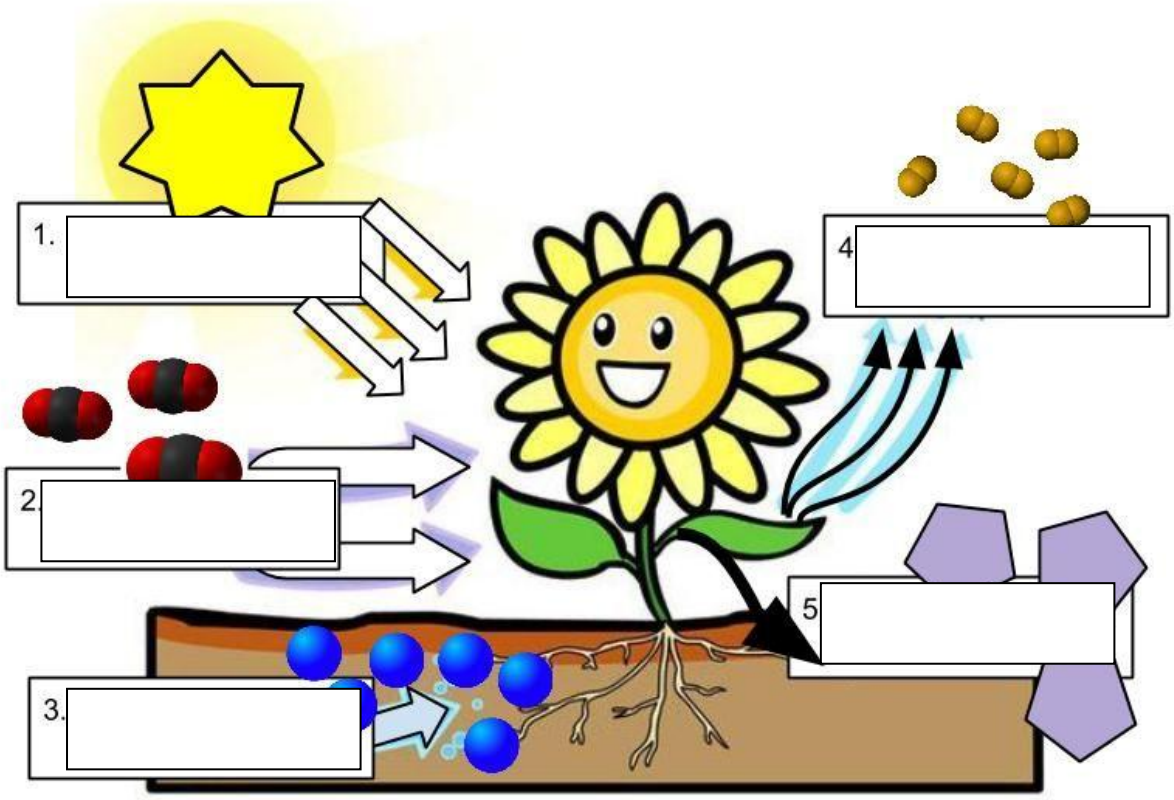
2.3 Proteins is food for energy …….

2.4 Fermenting is done by soaking food in salt and vinegar ……

2.5 A healthy diet can lead to diseases …….. **(5)**

QUESTION 3

3.1 Study the picture below and provide the process involved. Write your answers on the spaces given.



3.2. Animals, including people use the …… from the air for …….. and give out …….. which is used by plants for ……

(9)

QUESTION 4

4.1. Define the term diet.

……

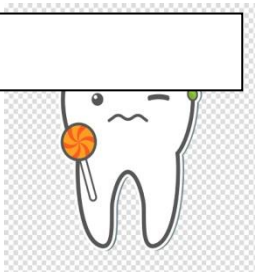
……(1)

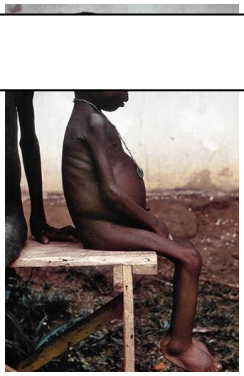
4.2. Complete the following table by adding the function of each food group.

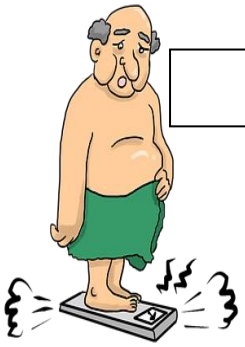
FOOD GROUP	**FUNCTION**
1. Carbohydrates	
2. Proteins	
3. Vitamins & Minerals	
4. Fats & Oil	

(4)

4.3. Study the illustrations below and write the diseases in the space provided.







(4)

SECTION B

QUESTION 5

5.1 Briefly explain why food is processed.

……
……
…….. (2)

5.2 Match Column A with Column B. Write the answer in Column C

Column A	Column B	Column C
1. Pickling	A. Changing food to make it more edible	
2. Salting	B. Using yeast or bacteria to change foods and make them sour	
3. Drying	C. Using vinegar and salt to make food last longer	
4. Fermenting	D. Removing water from food	

(4)

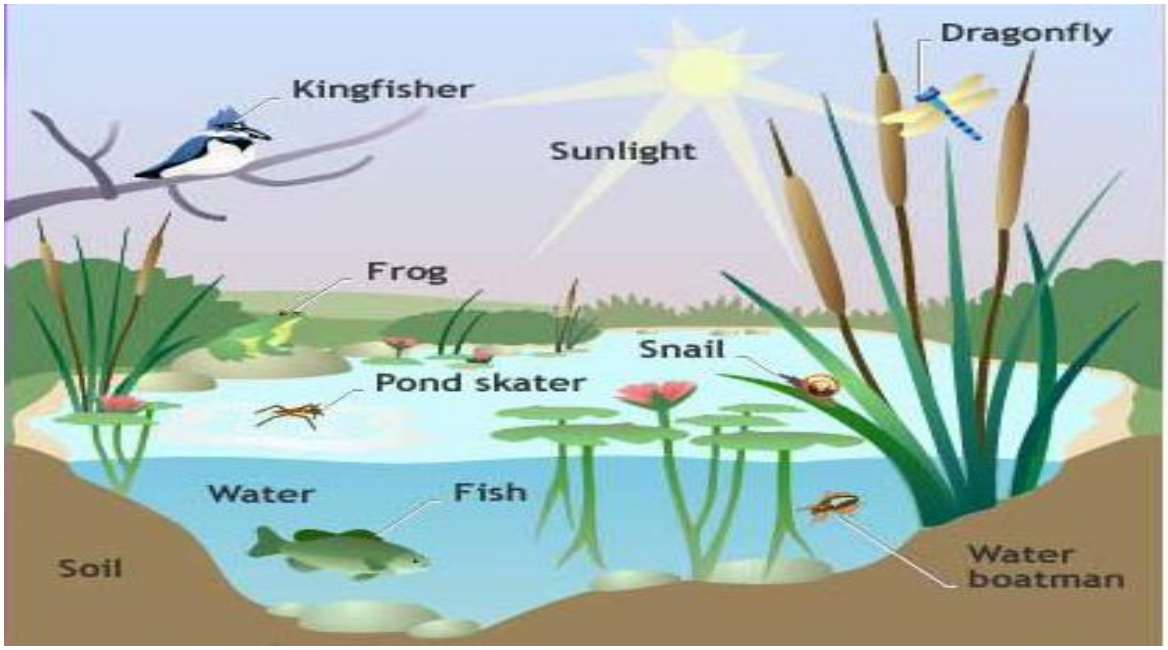
5.3 Distinguish between Preserving and Processing.

……
……
……
…… (4)

(10)

QUESTION 6

Study the diagram of the ecosystem below.



6.1 Identify the ecosystem shown in the picture above: _____ (1)

6.2. Name one consumer from the ecosystem: _____ (1)

6.3. Give one way in which the ecosystem above could be harmed.

_____

_____ (1)

6.4. Draw and label a food chain using the ecosystem above.

SECTION C

Question 7

Thembi is a ten year old girl. She made a list of her diet for one day.
Study the list of food Thembi ate in one day.
Use the information to answer the questions that follow.

Breakfast: *1* cup *cereal* *Half a cup of milk* ***Lunch*** *Two slices bread* *Two table spoons margarine* *Half a cup beans* *One banana*	***Afternoon Snack*** *One apple* *One bread roll* *One large slice cheese* *20 peanuts* ***Supper*** *One cup rice* *Four fish fingers baked in two tablespoons of oil* *Half a cup pumpkin* *Half a cup cabbage* *Small glass of grape Juice*

7.1 Thembi is growing two centimeters in a month.
What type of food (solid and liquids) should she be eating more? (1)

_____

_____

7.2 Refer to Thembi's diet and use your knowledge of a food pyramid to answer the following questions:

(a) Is Thembi following a balanced diet for the one day? (1)

_____

(b) Give a reason for your answer in Question 6.3 (a) (1)

_____

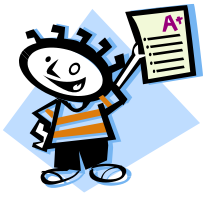
(c) Name one food that Thembi should eat more often. (1)

_____

(d) How many servings of meat did Thembi have during the day? (1)

_____

(5)



Total: 50 Marks