

INSTRUCTIONS:

1. The examination paper consists of 7 pages, including a cover page. Make sure you have all the pages.
2. This paper has 7 questions with their sub-questions.
3. Answer ALL questions.
4. Read each question carefully before answering it.
5. Pay attention to the mark allocation.
6. Plan your time carefully.
7. Write neatly and legibly.

QUESTION 1

Circle the correct answer from the ones provided

1.1 A green plant is usually a.....

a. Producer

b. Consumer

c. Director

d. Herbivore What

1.2 What does a food chain always starts with?

a. Predator

b. Herbivore

c. Producer

d. Consumer

1.3 Which is the secondary consumers in this food chain



a. Grass

b. Grasshopper

c. Frog

d. Hawk

1.4 Which of the following organisms is a bear's prey?

a. A blackberry

b. A tree

c. Another bear

d. A fish

1.5 Mice and rabbits eat plants. They are known as herbivores.

a. Consumers

b. Decomposers

c. Producers

d. Predators

QUESTION 3

Complete the sentences by selecting words from the one given in a box.

Diseases, food, grow, balanced, nutrients,

- a. Living things need the nutrients in _____ for energy, to move, to _____, and to repair damaged parts.
- b. Humans need to eat the correct amount of food from different food groups to have a _____ diet.
- c. Bad diets can lead to _____.
- d. Foods can be grouped according to their functions in the body and the main _____ they supply.

[5]

QUESTION 2

2.1 State whether each of the following statements are **True** or **False**

- a. During the process of photosynthesis, green leaves absorb oxygen.
- b. Carbohydrates repair the body.
- c. Animals and human breathe in oxygen and breathe out carbon dioxide.
- d. Plants also make oxygen gas during photosynthesis and this oxygen is an important gas for living things to stay alive.
- e. We use iodine solution to test for starch.
- f. Diet is the food that you excrete every day.
- g. Foods that contain proteins are used for repair and growth in humans.

[7]

QUESTION 4

4.1. Complete the table of the things plants need for photosynthesis and the things that plants make during photosynthesis.

(6)

| | |
|--|-------|
| Things plants need for photosynthesis | a. |
| Things plants make during photosynthesis | e. |
| | b. f. |
| | c. |
| | d. |

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

(4)

[10]

QUESTION 5

5.1 Briefly explain why food is processed.

(3)

5.2 Match each of the processes in **Column A** with its description in **Column B** and write the correct letter in **Column C**, for example 2.1. G

(6)

| Column A | Column B | Column C |
|---------------|---|----------|
| 1. Combing | A. Using yeast or bacteria to change foods and make them sour | 1. _____ |
| 2. Freezing | B. Using vinegar and salt to make food last longer | 2. _____ |
| 3. Salting | C. Breaking food in very small fine bits | 3. _____ |
| 4. Pickling | D. Making food very cold so that they do not go bad | 4. _____ |
| 5. Cooking | E. Mixing different foods together to make new food | 5. _____ |
| 6. Fermenting | F. Changing food to make it more edible | 6. _____ |

5.3 Distinguish between processing and preserving

5.3.1 Processing:

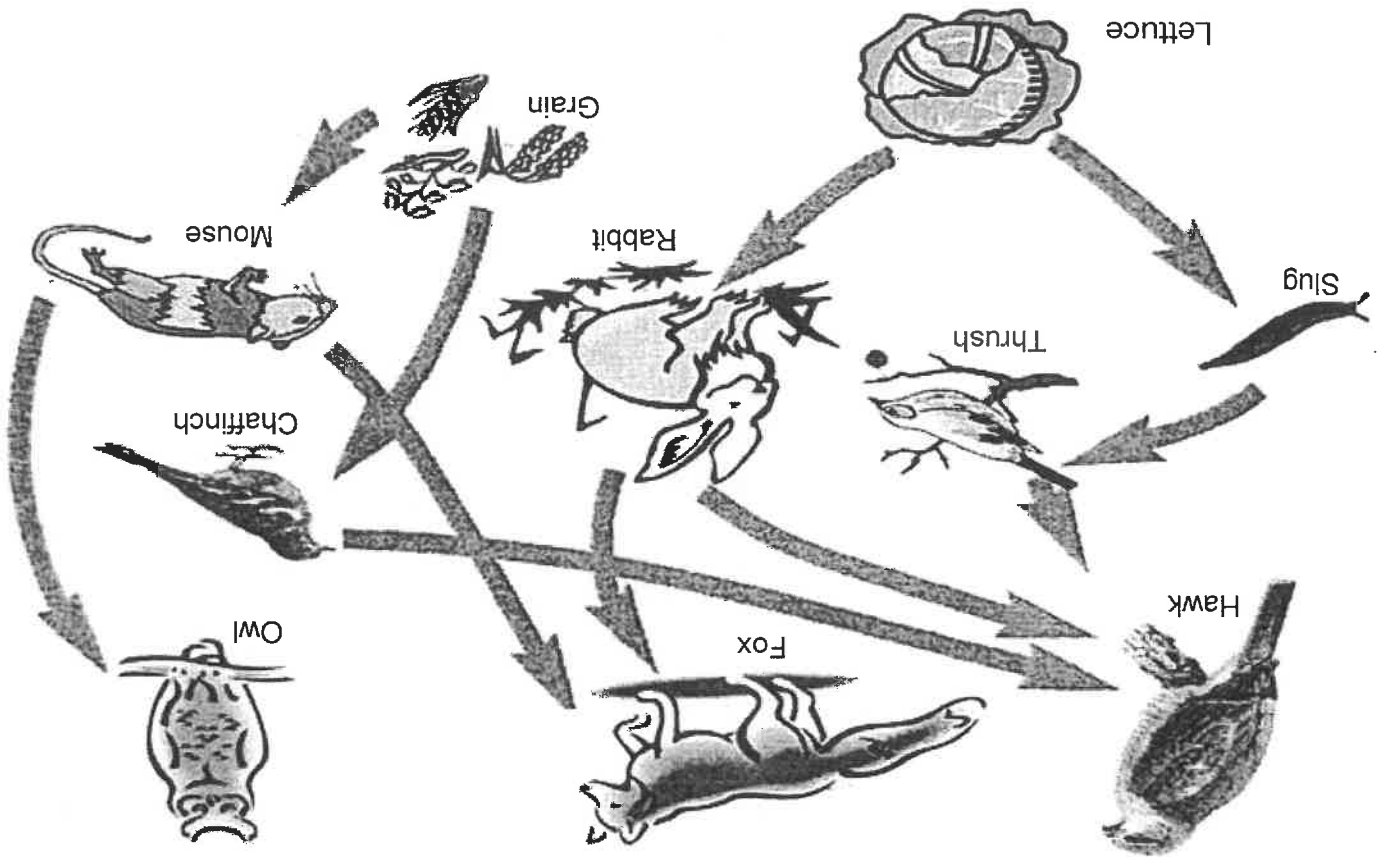
5.3.2 Preserving:

(4)

[13]

QUESTION 6

Use this food web to answer the questions that follow:



- 6.1.1 Which herbivore listed below is eaten by the fox? (1)
- 6.1.2 What would happen if the rabbits were removed? (1)
- 6.1.3 Name one carnivore that is found in this food chain. (1)
- 6.1.4 What is likely to happen to the population of slugs if the population of thrushes decreases? (1)

6.1.5 Food chain is:

(2)

6.2. Explain how the energy is lost in food chains;

[10]

(4)

GRAND TOTAL: 50