



# Noah's Ark Independent Primary School

Subject: NS and T	Examiner: Moyo, S.
Type: Summative Term 1	Moderator: Rwizi, A.
Date: 9 April 2021	Grade: 6-Buffalo
Marks: 60 Marks	Time: 1 hour 30 minutes

Name: \_\_\_\_\_

## Instructions

- Read the questions carefully before you start writing.
- Make sure you answer All the questions.
- Write neatly and legibly.

1. For each of the following descriptions, state which nutrient (food) group it belongs to:

1.1 Your immune system fights colds and other diseases more easily if it gets the nutrients in this food group. (1)

-----

1.2 This group builds your body and helps you get your strength. (1)

-----

1.3 This group helps protect your nerves and organs. (1)

-----

1.4 Which food group does not mix very well with water? (1)

-----

1.5 Peanut butter was invented over 100 years ago by a doctor as a food substitute for patients who could not chew their food. In which food group does peanut butter belong? (1)

-----

1.6 Which food item is rich in minerals? Fruit or Yoghurt? (1)

-----

2. Explain the relationship between plants and humans. Your answer needs to include the following:

- What humans breathe in and out.
- What plants breathe in and out.
- How these things are good for humans and plants (6)

-----  
-----  
-----  
-----  
-----  
-----  
-----  
-----

3. Answer the questions below

3.1 In an ecosystem, living and non-living things depend on each other in various ways. Give an example of a non-living thing that contributes to an ecosystem and briefly explain its function. (2)

-----  
-----  
-----

3.2 Explain the difference between a food web and a food chain. (1)

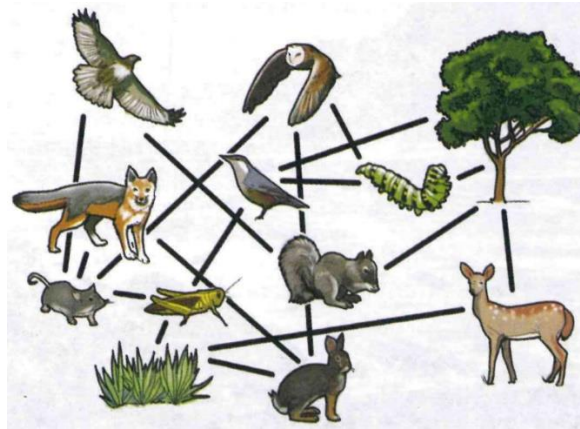
---

---

3.3 A food chain consists of three basic components. Name them. (1)

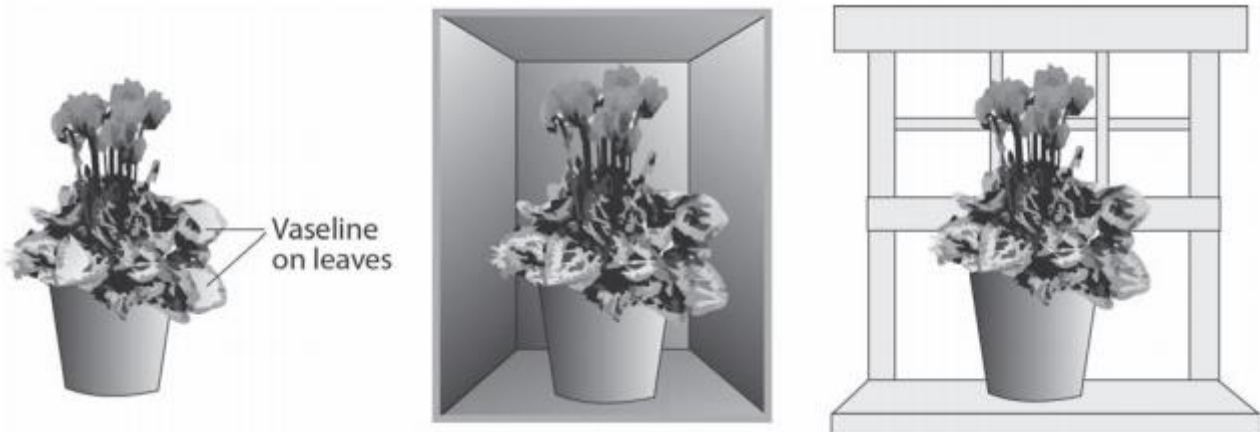
---

3.4 Draw an example of a food chain. (2)



Source: Grade 6 Study and Master Natural Science and Technology Learner's Book, page 57.

4. In an investigation on photosynthesis, a grade 6 prepared three identical pot plants as follows:



Source: Grade 6 Platinum Natural Science and Technology Extension and Remediation Worksheet Book, page 2.

They watered the plants twice a week with 100 ml of water each.

After one week they tested the leaves of the plants for starch.

4.1 Predict which plant will contain starch after a week. Draw a circle around the plant. (1)

4.2 Explain the reasons for your prediction. (6)

-----  
-----  
-----  
-----  
-----  
-----

4.3 How would you find out if there was starch in the leaves? (2)

-----  
-----



6. Food is processed to make it edible, preserve it and add nutritional value.

6.1 Name at least 3 methods of processing food. (3)

-----  
-----  
-----  
-----

6.2 State whether the following are True / False. If false, write it to be correct. (4)

a) Smoke from wood fires can preserve fish. -----  
-----

b) Cooking destroys harmful micro-organisms by applying water. -----  
-----

c) Amasi is made from fresh milk and tastes like plain yogurt. -----  
-----

6.3 Identify at least one food processing method that adds nutritional value to food. (1)

-----  
-----

7. Every diet needs to be balanced for it to benefit the eater.

7.1 Define a balanced diet. (2)

-----  
-----

7.2 Suggest what would happen if an individual ate a poor diet. (4)

---

---

---

7.3 Define malnutrition. (1)

---

---

8. Plants and animals need habitats for their survival.

8.1 Point out three things that habitats provide to plants and animals. (3)

---

---

8.2 Name a habitat with harsh conditions that have little or no rain. (1)

---

---

\_\_\_\_ / 60 Marks