



# Noah's Ark Independent Primary School

Subject: NS&T	Examiner: Moyo, S.
Type: Mid-Year Exams	Moderator: Rwizi, A.
Date: 25 June 2021	Grade: 6-Buffalo
Marks: 60 Marks	Time: 1 hour 30 minutes

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

## Instructions

Carefully read all the questions before you start writing.

Answer ALL the questions in the spaces provided.

Write neatly and legibly

## Section A: Matter, materials and processing

1. Study the following mixtures and say which separating method should be used for it:

Theo wants the sweets separated by colour.



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(1)

Mavis wants the water and sand to be separate.



\_\_\_\_\_

(1)

2. How do we know when a solution is saturated? (3)

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3. Rewrite the sentence in scientific English. You may use any of the words provided in the box below:

“Please pass me some sugar to put in my coffee. I like my coffee sweet.”

Solids	Solute	Solvent
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Please pass me some (a)\_\_\_\_\_ to dissolve in my (b)\_\_\_\_\_. I like my solution sweet.

(a) \_\_\_\_\_ (1)

(b) \_\_\_\_\_ (1)

4. Wetlands play a major role in water management hence they have to be conserved.

4.1 Give two examples of wetlands. (2)

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4.2 Describe how a wetland cleans polluted water from soluble and insoluble substances. (3)

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4.3 Theo gives the opinion that soluble substances are the worst kinds of water pollution. Justify why his opinion might be correct. (4)

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4.4 Name one way of purifying water and explain how it does purify water. (4)

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5. Match the correct words in column B to the definition in column A. (5)

Column A	Answer	Column B
5.1 Killing harmful germs from water by exposing them to high heat.		a) Filtering
5.2 Using a material to trap substances found in dirty water		b) Decanting
5.3 A range of special components added to water to kill germs.		c) Boiling
5.4 Using the holes in a container to separate larger substances from the water		d) Chemicals
5.5 Separates a liquid from one container into another without disturbing the settled substances.		e) Sieving

6. List the three factors that affect the rate of dissolving. (3)

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7. Define an unsaturated solution. (2)

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Section B: Life, living and processing.

8. There are producers, consumers and decomposers in food webs. In which category are bacteria and fungi. (1)

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9. For each of the following food items, say in which food group they belong. You can choose from any one of the following options:

Carbohydrates	Proteins	Fats and Oils	Vitamins and Minerals
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9.1 Egg ----- (1)

9.2 Potato ----- (1)

9.3 Yoghurt ----- (1)

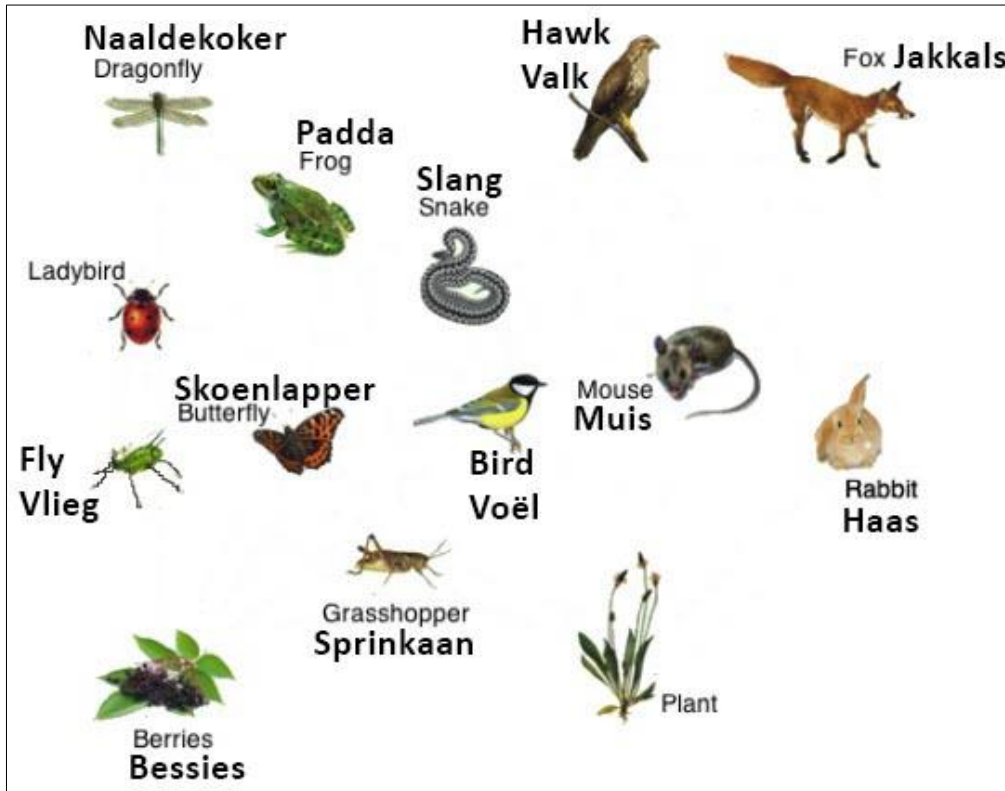
9.4 What types of foods are rich in Vitamins? (1)

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9.5 Explain the difference between the terms 'diet' and 'balanced' diet'. (4)

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10. Use the image below to answer the following questions.



Source: Assessment 9// Term 1 2021, Grade 6 NST Test

10.1 All food chains link up to make a food web. Identify and draw TWO food chains that appear in the image below: (4)

10.2 Explain what the arrows in a food chain represent. (1)

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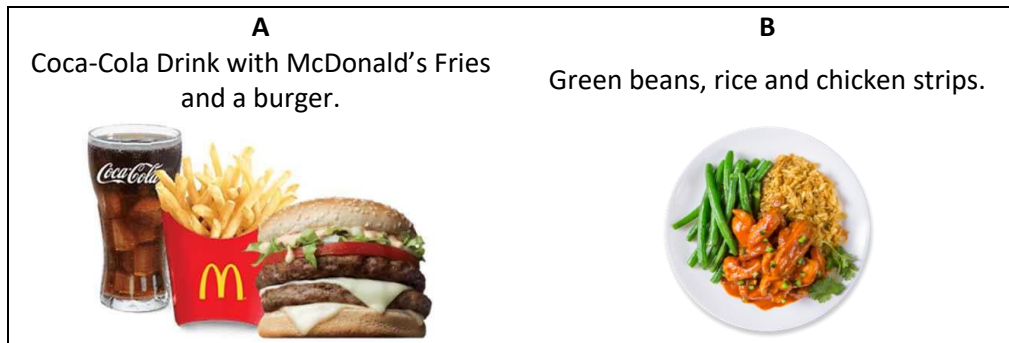
10.3 Suggest reasons why not all plants and animals will complete their full life cycle. (2)

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11. Study the image below then answer the questions which follow.



Source: Assessment 9// Term 1 2021, Grade 6 NST Test

11.1 Which of these two meals is healthier? Give reasons for your answer. (3)

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11.2 Name one disease that can be caused by poor diet. (1)

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12. Does photosynthesis take place at night? Explain why or why not. (2)

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13. What is the name of the green substance inside leaves? What is its importance? (2)

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14. State the gas produced during photosynthesis. (1)

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15. Your friend argues that processing food is a mere waste of time but you are not in agreement with him. Justify your stance. (3)

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16. List any two methods of processing food. (2)

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