GRADE 6 SCIENCE

MIDTERM 1 REVIEW

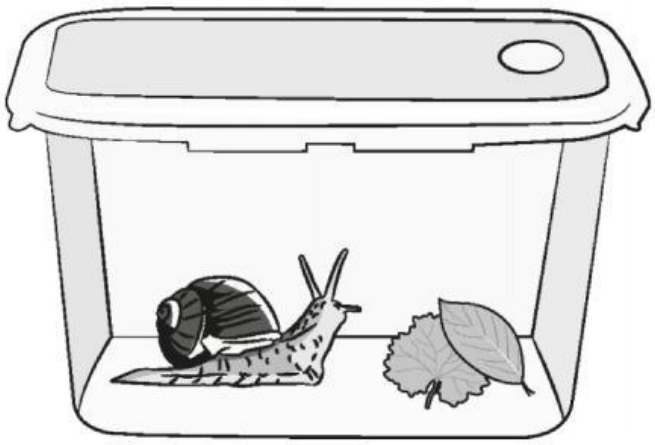
UNIT 7 Microorganisms in the environment

QUESTION 1:

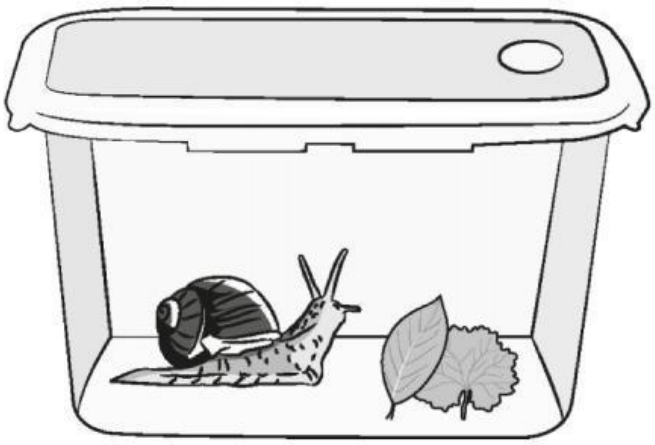
Zara is investigating the food preferences of a certain type of snail.

- She collects two leaves from one species of plant, and two leaves from another species.
- She measures the area of each leaf.
- She puts one leaf from each species into two containers.
- She puts a snail into each container.

Container 1



Container 2



After one day, she measures the area of each leaf again. The table shows her results.

Leaf	Container	Area of leaf at start in mm^2	Area of leaf after one day in mm^2	Change in area in mm^2
Species A	1	132	130	2
	2	149	135	6
Species B	1	152	120	32
	2	146	112	34

LIVEWORKSHEETS

a What was the variable that Zara changed in her experiment?

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b Write down a conclusion that Zara can make from her experiment.

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c Suggest one way in which Zara could improve her experiment, so that she can be more certain that her conclusion is correct.

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d After Zara finishes her experiment, she removes the snails from the containers and puts them outside.

One week later, she notices that the leaves in the containers have become brown and soft.

Explain what has happened to the leaves.

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QUESTION 2:

Which of the following are microorganisms? Circle each correct answer. [2]

Bacterium **mitochondrion** **neurone** **yeast**

QUESTION 3:

Which two statements about microorganisms are not correct?

LIVEWORKSHEETS

Tick two boxes.

- € They are usually single-celled.
- € They include bacteria.
- € They have tissues and organs.
- € They are all decomposers.

QUESTION 4:

The diagram shows a food chain.

Grass -> ants -> pangolin -> leopard ->

.....

seeds

a What do the arrows in the food chain represent?

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b Some kinds of microorganism act as decomposers.

Add these microorganisms to the food chain.

c Explain the ecological importance of decomposers.

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QUESTION 5:Here is some information about a food web in a tropical rainforest.

Orangutans and fruit bats eat the fruit from durian trees and fig trees.

Clouded leopards eat fruit bats.

Microorganisms on the forest floor feed on parts of the fruits that are thrown away by orangutans. The microorganisms also decompose droppings (faeces) from all of the animals.

LIVEWORKSHEETS

Use the information to **construct a food web** showing all of these organisms.

LIVEWORKSHEETS