

COMBINED SCIENCE

0653 | Paper 2

2020 — 2025

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CH 4 - B4. Enzymes

CH 5 - B5. Plant Nutrition

CH 6 - B6. Animal Nutrition

CH 7 - B7. Transport

CH 8 - B8. Gas Exchange And Respiration

CH 9 - B9. Coordination And Response

CH 10 - B10. Reproduction

CH 11 - B11. Organisms And Their Environment

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CH 16 - C4. Stoichiometry

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CH 18 - C6. Energy Changes In Chemical Reactions

CH 19 - C7. Chemical Reactions

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ANSWERS

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1 - (0653/21_Winter_2021_Q1) - B1. Characteristics Of Living Organisms

Movement is a characteristic of all living organisms.

Which two other characteristics of living organisms provide the energy for movement?

- A excretion and nutrition
- B growth and sensitivity
- C nutrition and respiration
- D respiration and growth

2 - (0653/21_Winter_2022_Q1) - B1. Characteristics Of Living Organisms

What are characteristics of all living organisms?

- A breathing, excretion, nutrition
- B excretion, growth, nutrition
- C reproduction, respiration, germination
- D secretion, growth, sensitivity

3 - (0653/21_Summer_2023_Q1) - B1. Characteristics Of Living Organisms

Which characteristic of living organisms involves chemical reactions in cells that break down nutrient molecules and release energy?

- A excretion
- B nutrition
- C respiration
- D sensitivity

4 - (0653/22_Summer_2023_Q1) - B1. Characteristics Of Living Organisms

Which process removes toxic materials from an organism?

- A digestion
- B egestion
- C excretion
- D respiration

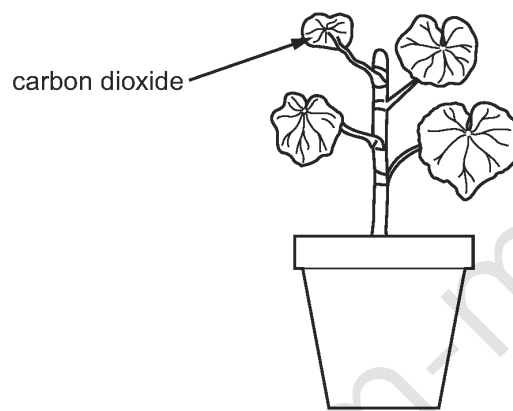
5 - (0653/23_Summer_2023_Q1) - B1. Characteristics Of Living Organisms

What is a characteristic of all living things?

- A egestion
- B ingestion
- C nutrition
- D photosynthesis

6 - (0653/21_Winter_2023_Q1) - B1. Characteristics Of Living Organisms

The diagram shows a plant absorbing carbon dioxide in order to carry out photosynthesis.



Which characteristic of all living organisms is this?

- A movement
- B nutrition
- C excretion
- D reproduction

7 - (0653/23_Summer_2024_Q1) - B1. Characteristics Of Living Organisms

.....1..... is the ability to detect and respond to changes in the environment.

Which word completes gap 1?

- A Excretion
- B Movement
- C Sensitivity
- D Reproduction

8 - (0653/21_Winter_2024_Q1) - B1. Characteristics Of Living Organisms

Which characteristics are found in all living organisms?

	excretion	growth	photosynthesis	respiration
A	yes	yes	no	yes
B	yes	yes	yes	no
C	yes	no	yes	yes
D	no	yes	yes	yes

9 - (0653/22_Winter_2024_Q1) - B1. Characteristics Of Living Organisms

A car is filled with fuel and is driven away.

Which characteristic of living organisms is **not** matched by a similar process in the car?

- A** excretion
- B** growth
- C** movement
- D** respiration

10 - (0653/21_Summer_2025_Q12) - B1. Characteristics Of Living Organisms

Which row shows how active immunity is gained?

	from antibodies supplied in an injection	by vaccination	after an infection by a pathogen
A	✓	x	x
B	x	✓	x
C	x	✓	✓
D	✓	x	✓

key

✓ = yes

x = no

11 - (0653/22_Summer_2025_Q1) - B1. Characteristics Of Living Organisms

Movement is a characteristic of all living organisms.

Which two other characteristics of living organisms provide the energy for movement?

- A** excretion and nutrition
- B** growth and sensitivity
- C** nutrition and respiration
- D** respiration and growth

ANSWERS

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1 - (0653/21_Winter_2021_Q1) - B1. Characteristics Of Living Organisms

C

2 - (0653/21_Winter_2022_Q1) - B1. Characteristics Of Living Organisms

B

3 - (0653/21_Summer_2023_Q1) - B1. Characteristics Of Living Organisms

C

4 - (0653/22_Summer_2023_Q1) - B1. Characteristics Of Living Organisms

C

5 - (0653/23_Summer_2023_Q1) - B1. Characteristics Of Living Organisms

C

6 - (0653/21_Winter_2023_Q1) - B1. Characteristics Of Living Organisms

B

7 - (0653/23_Summer_2024_Q1) - B1. Characteristics Of Living Organisms

C

8 - (0653/21_Winter_2024_Q1) - B1. Characteristics Of Living Organisms

A

9 - (0653/22_Winter_2024_Q1) - B1. Characteristics Of Living Organisms

B

10 - (0653/21_Summer_2025_Q12) - B1. Characteristics Of Living Organisms

C