

CHARACTERISTICS OF LIVING ORGANISMS-SET-1

1 Which process releases energy in all living things?

- A breathing
- B digestion
- C muscle contraction
- D respiration

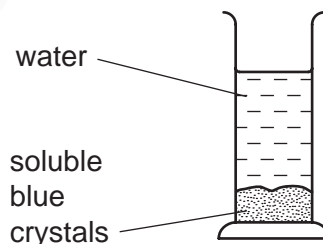
2 Which characteristic of living organisms is represented in plants by photosynthesis?

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

3 What is respiration?

- A the absorption of organic substances and mineral ions
- B the breakdown of molecules to release energy
- C the manufacture of carbohydrates from raw materials
- D the removal of excess substances, toxic materials and waste products

4 Apparatus is set up as shown.



After several hours, all the water has turned blue.

Which process causes this colour change to take place?

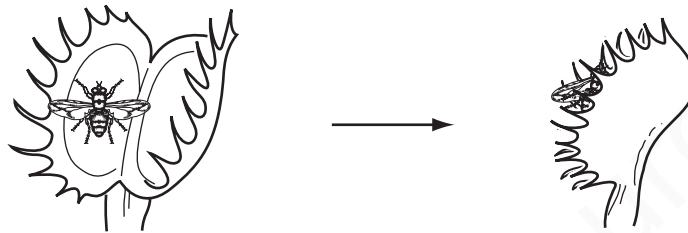
- A assimilation
- B diffusion
- C digestion
- D evaporation

5 Which rows correctly match characteristics of living things with their descriptions?

	characteristic	description
1	excretion	removing the waste products of metabolism
2	growth	making more living things of the same type
3	nutrition	taking in or producing food
4	respiration	obtaining energy from food

- A 1, 2 and 4 B 1, 3 and 4 C 1 and 3 only D 2 and 4 only

6 The Venus fly trap is a plant that catches insects.



Which characteristic is shown in the diagram?

- A excretion
 B growth
 C reproduction
 D sensitivity

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8

Which is a characteristic of all living things?

- A a heart
- B breathing
- C excretion
- D sexual reproduction

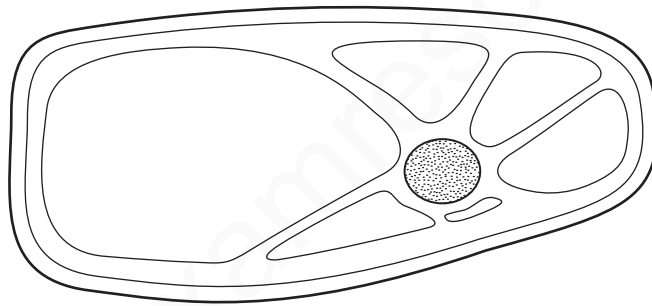
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What is **not** a characteristic of all living organisms?

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

10

The diagram shows a section through a cell from a leaf, magnified $\times 4000$. The diameter of the nucleus in the diagram is 10 mm.



11

What is the true diameter of the nucleus?

- A 0.0025 mm
- B 0.0050 mm
- C 0.0100 mm
- D 0.0250 mm

All living organisms are capable of

- A asexual reproduction.
- B excretion.
- C photosynthesis.
- D phototropism.