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?

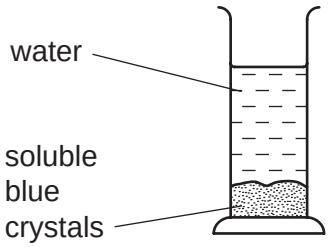
A the absorption of organic substances and mineral ions

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

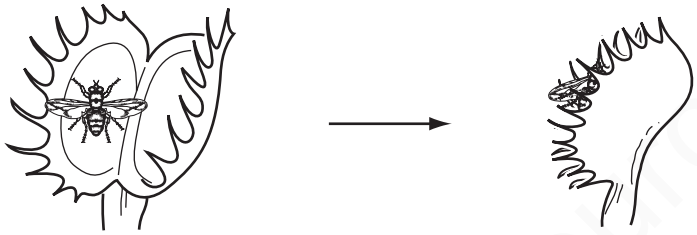
D evaporation

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

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

	characteristic	description
1	excretion	removing the waste products of metabolism
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A 1, 2 and 4 **B** 1, 3 and 4 **C** 1 and 3 only **D** 2 and 4 only

8 Which is a characteristic of all living things?

A a heart

B breathing

C excretion

D sexual reproduction

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

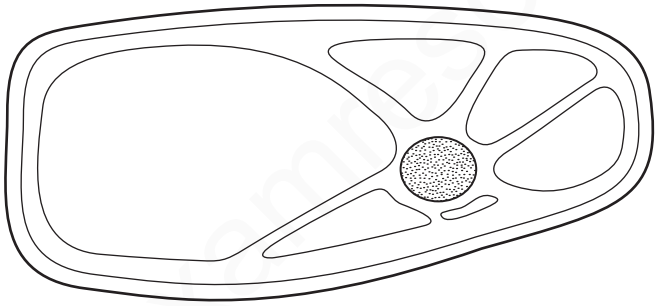
A breathing

B excretion

C movement

D reproduction

10 The diagram shows a section through a cell from a leaf, magnified ×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.