Q1. (June 2021 v1)

1 What is a characteristic of all living organisms?

A breathing

B circulation

C egestion

D sensitivity

Q2. (June 2022 v1)

1 All living organisms release energy from nutrient molecules within their cells.

What is the name of this characteristic?

A growth

B nutrition

C respiration

D sensitivity

Q3. (June 2023 v1)

1 What are characteristics of all organisms?

A egestion and excretion

B egestion and nutrition

C excretion and nutrition

D excretion and photosynthesis

Q4. (June 2023 v1)

2 The scientific name for the golden eagle is *Aquila chrysaetos*.

What is the genus of the golden eagle?

A *Aquila*

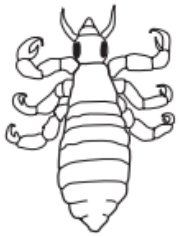
B *chrysaetos*

C eagle

D golden

Q5. (June 2023 v1)

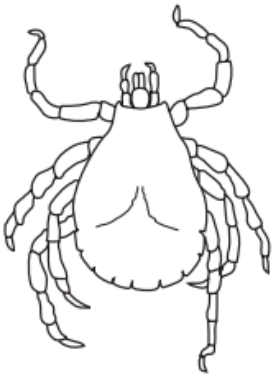
3 The diagram shows four arthropods.



Pediculus ×20



Anopheles ×10



Dermacentor ×7



Carcinus ×0.5

How many of these arthropods are insects?

A 1 **B** 2 **C** 3 **D** 4

Q6. (June 2023 v2)

1 Living animals release carbon dioxide.

This is an example of which life process?

A excretion

B movement

C nutrition

D sensitivity

Q7. (June 2023 v3)

1 What are excretion, sensitivity and reproduction characteristics of?

A all animals and all plants

B animals only

C plants only

D some animals and some plants

Q8. (June 2024 v1)

1 Which process do living organisms use to remove excess carbon dioxide from their bodies?

A excretion

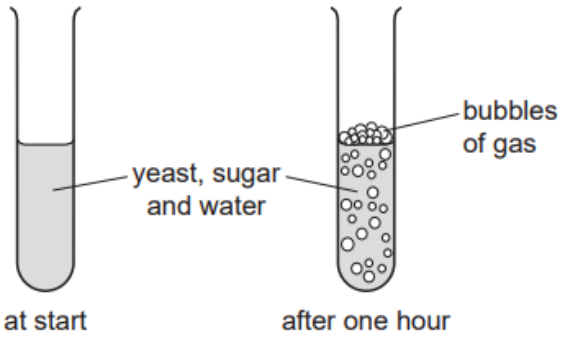
B movement

C nutrition

D respiration

Q9. (June 2024 v2)

1 Some yeast, sugar and water are mixed in a test-tube. The diagrams show the test-tube at the start and after one hour.



Which process causes this change?

A growth

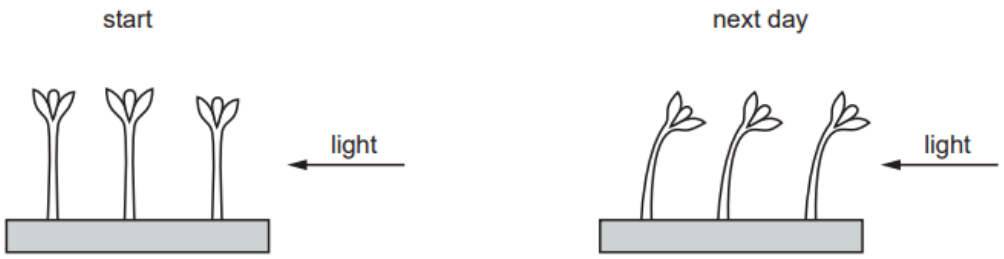
B reproduction

C respiration

D sensitivity

Q10. (June 2024 v3)

1 The diagram shows what happened in an experiment with plant seedlings.



Which characteristic of living things made the seedlings grow towards the light?

A excretion

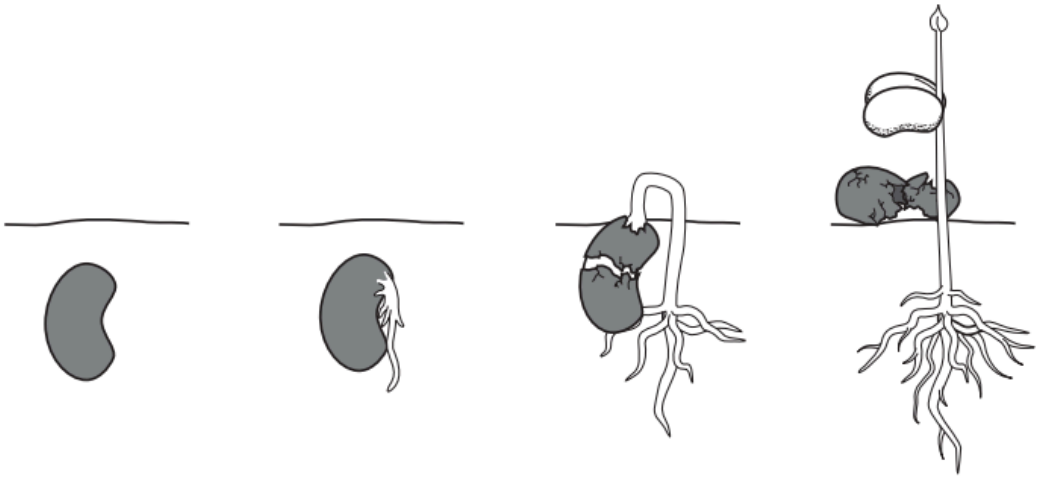
B nutrition

C respiration

D sensitivity

Q11. (June 2025 v1)

1 The diagram shows how a seed changes after it is planted in soil and watered.



Which characteristics of living things are demonstrated by the sequence shown in the diagram?

A growth only

B growth and sensitivity

C nutrition and reproduction

D reproduction and sensitivity

Q12. (June 2025 v2)

1 When a herbivore sees a carnivore, which characteristic of living things is involved?

A excretion

B growth

C reproduction

D sensitivity

Q13. (Nov 2021 v1)

1 Which characteristics of all living organisms are needed to release energy for growth?

A breathing and respiration

B excretion and nutrition

C excretion and respiration

D nutrition and respiration

Q14. (Nov 2021 v2)

1 All living things can remove toxic materials and other substances that are in excess of requirements.

What is this process called?

A egestion

B excretion

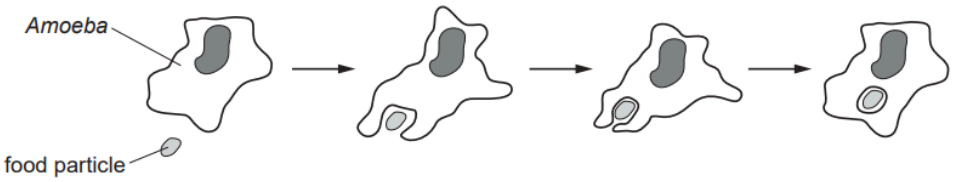
C nutrition

D respiration

Q15. (Nov 2021 v3)

1 An *Amoeba* is a single-celled organism.

The diagram shows an *Amoeba* engulfing a food particle.



Which characteristics of living organisms are shown?

A excretion, movement and nutrition

B excretion, nutrition and sensitivity

C movement, nutrition and sensitivity

D movement, reproduction and sensitivity

Q16. (Nov 2022 v1)

1 Which process provides an organism with the raw materials needed for tissue repair?

A excretion

B growth

C nutrition

D respiration

Q17. (Nov 2023 v1)

1 Some processes carried out by living organisms are listed.

1 egestion

2 excretion

3 reproduction

4 respiration

Which processes are carried out by **all** living organisms?

A 1, 2, 3 and 4

B 1, 2 and 3 only

C 2, 3 and 4 only

D 3 and 4 only

Q18. (Nov 2023 v2)

1 Which processes are characteristics of **all** living organisms?

1 digestion

2 respiration

3 excretion

A 1, 2 and 3 **B** 1 only **C** 2 and 3 only **D** 2 only

Q19. (Nov 2023 v3)

1 What are characteristics of all living organisms?

A breathing, growth and movement

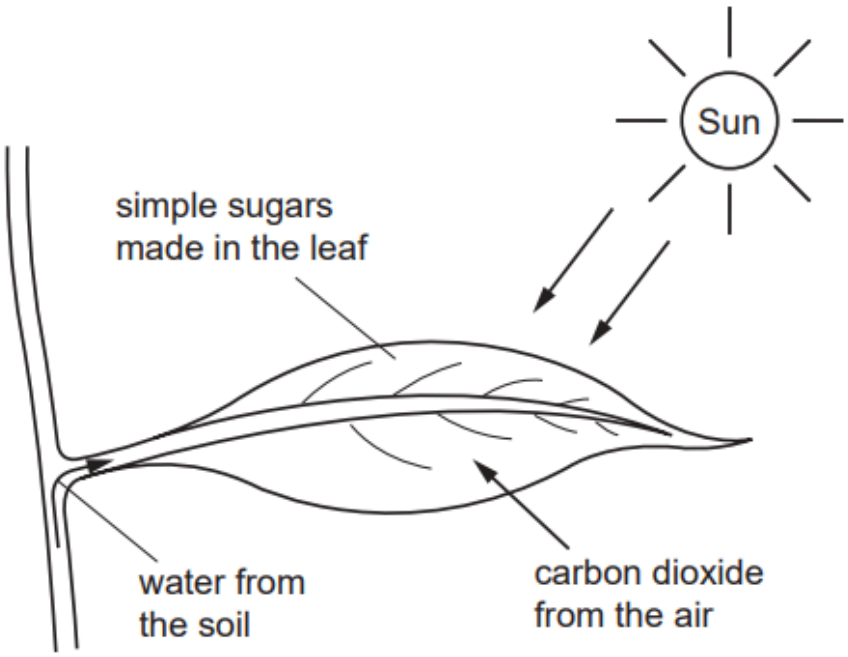
B egestion, nutrition and reproduction

C digestion, excretion and respiration

D reproduction, respiration and sensitivity

Q20. (Nov 2024 v1)

1 The diagram shows a leaf on a plant.



Which characteristic of life is represented by this diagram?

A excretion

B nutrition

C respiration

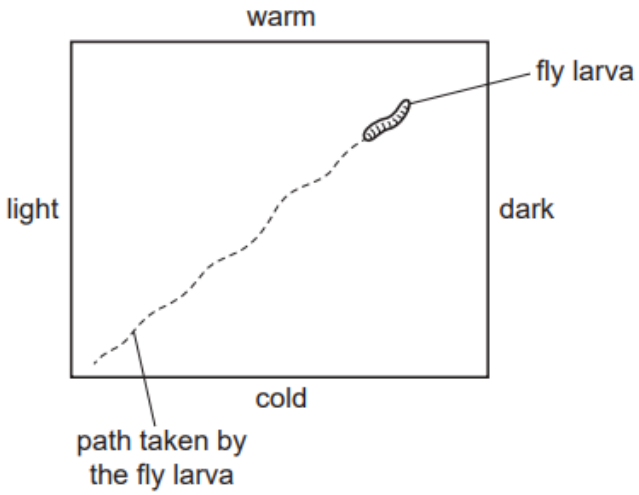
D sensitivity

Q21. (Nov 2024 v2)

2 A student exposed a fly larva to light and temperature gradients.

They lit the area from one side and made one side of the area warmer than the other.

They traced the path of the fly larva's movement.



Which statement describes the response of the fly larva?

A The fly larva does **not** respond to temperature or light intensity.

B The fly larva moves away from a higher temperature and a higher light intensity.

C The fly larva moves away from a higher temperature and towards a higher light intensity.

D The fly larva moves towards a higher temperature and away from a higher light intensity.

Q22. (Nov 2024 v3)

1 Students find a small organism in a pond. They catch it and put it into a large jar of water. They see that the organism swims away from light. It lays some eggs before it is put back into the pond.

Which characteristics of living things did the students **see** in this organism?

A excretion, growth and respiration

B growth, nutrition and sensitivity

C movement, reproduction and sensitivity

D movement, reproduction and respiration

Q23. (Nov 2025 v1)

1 Which process causes a permanent increase in the dry mass of an organism?

A digestion

B growth

C reproduction

D respiration