

26 An organism has dry scales covering its body.

To which vertebrate group does it belong?

- A** amphibian
- B** fish
- C** mammal
- D** reptile

27 Which characteristic of living organisms can involve ingestion, absorption and assimilation?

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

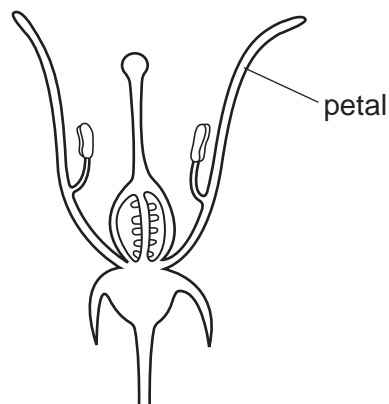
28 Which system is used for naming species?

- A** binomial
- B** conservation
- C** dichotomous
- D** natural selection

29 What is defined as the chemical reactions that break down food molecules in cells to release energy?

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

30 The diagram shows a section through a flower.



Using the key, identify this flower.

- 1 sepals present ..... go to 2
- sepals absent ..... go to 3
- 2 stamens attached to petals ..... **A**
- stamens not attached to petals ..... **B**
- 3 stigma above anthers ..... **C**
- stigma below anthers ..... **D**

31 Which process produces heat to maintain a person's body temperature?

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

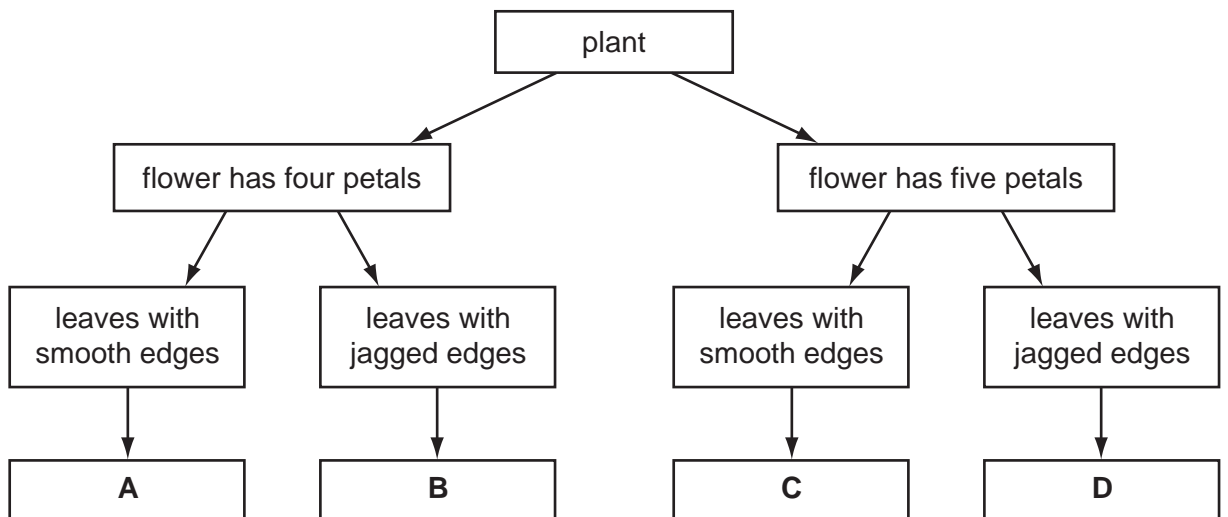
32 Which shows an organism that has been named using the binomial system?

- A *Bacterium*
- B *Flowering plant*
- C *HIV*
- D *Homo sapiens*

33 The diagram shows a flowering plant.



Use the key to identify the plant.



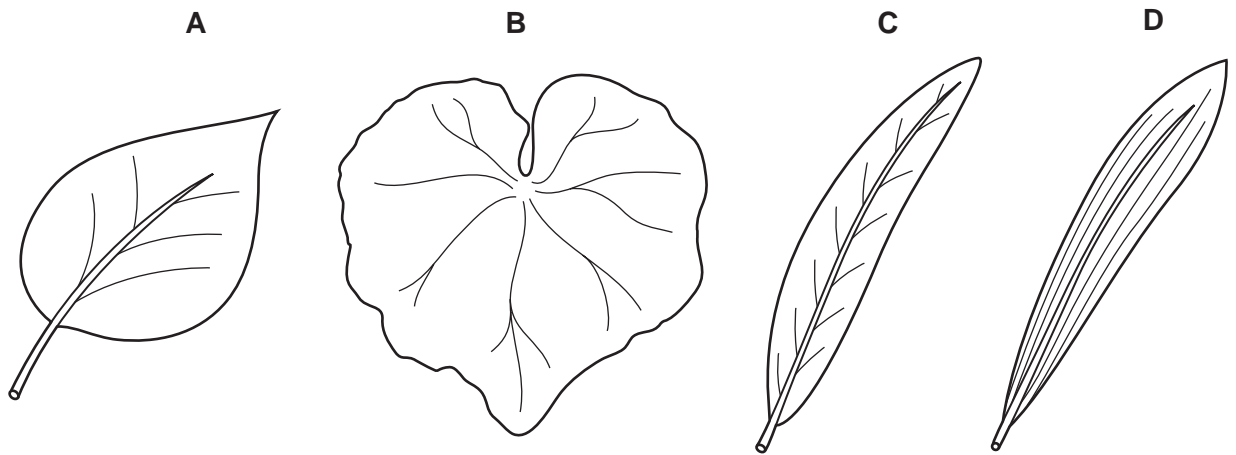
34 Which process removes the waste products of metabolism from the body?

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

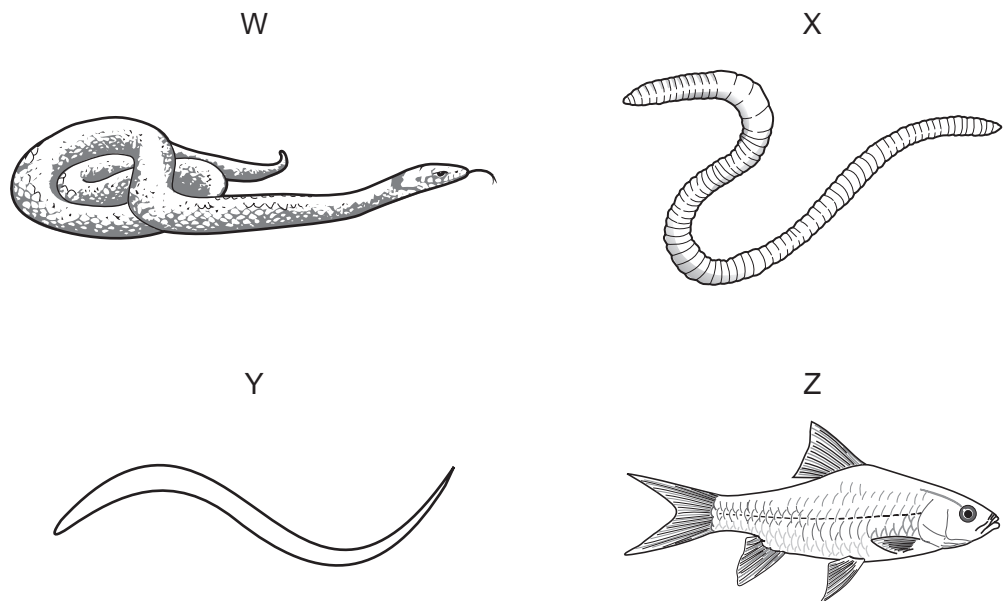
35 According to the binomial system, how should a human be named?

- A *Homo Sapiens*
- B *Homo sapiens*
- C *homo Sapiens*
- D *homo sapiens*

36 Which leaf comes from a monocotyledonous plant?



37 The diagrams show four different animals. They are not drawn to the same scale.



Which are vertebrates?

- A W and X
- B X and Y
- C Y and Z
- D W and Z

38 The diagram shows half a flower.



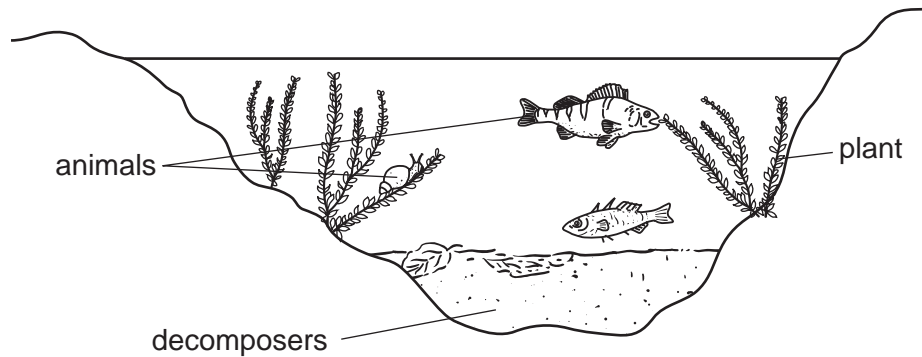
The following key may be used to identify the plant on which the flower is growing.

- 1 petals separate from sepals ..... go to 2
- petals and sepals joined ..... plant P
- 2 flower with four stamens ..... plant Q
- flower with more than four stamens ..... go to 3
- 3 ovary as tall as wide ..... plant R
- ovary taller than wide ..... go to 4
- 4 flower has two petals ..... plant S
- flower has more than two petals ..... plant T

To which plant does the flower belong?

- A** plant P      **B** plant Q      **C** plant R      **D** plant T

39 The diagram shows some organisms living in water.



Which process is carried out by all the living organisms shown?

- A photosynthesis
- B pollination
- C respiration
- D transpiration

40 The table lists some of the features of three groups of invertebrates – arthropods, annelids and molluscs.

Which shows the correct features of each group?

	arthropods	annelids	molluscs
<b>A</b>	segmented body, exoskeleton and jointed limbs	segmented soft body, rarely have legs	unsegmented soft body, have internal or external shell
<b>B</b>	segmented body, exoskeleton and jointed limbs	segmented body, exoskeleton and jointed limbs	segmented soft body, rarely have legs
<b>C</b>	unsegmented soft body, have internal or external shell	segmented soft body, rarely have legs	unsegmented soft body, have internal or external shell
<b>D</b>	segmented soft body, rarely have legs	unsegmented soft body, have internal or external shell	segmented body, exoskeleton and jointed limbs

41 What are characteristics of all organisms?

- A egestion and excretion
- B egestion and nutrition
- C excretion and nutrition
- D excretion and photosynthesis

42 The table shows the classification of four vertebrate animals.

	animal 1	animal 2	animal 3	animal 4
phylum	Chordata	Chordata	Chordata	Chordata
class	Mammalia	Mammalia	Mammalia	Mammalia
order	Dermoptera	Dermoptera	Dermoptera	Dermoptera
family	Lemuridae	Indridae	Lemuridae	Indridae
genus	<i>Eulemur</i>	<i>Propithecus</i>	<i>Eulemur</i>	<i>Avahi</i>
species	<i>fulvus</i>	<i>diadema</i>	<i>coronatus</i>	<i>laniger</i>

Which two organisms are **most** closely related?

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

43 Living animals release carbon dioxide.

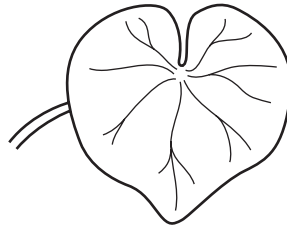
This is an example of which life process?

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

44 Which of these features is used to classify organisms as flowering plants?

- A roots with hairs
- B seeds within fruits
- C single-celled spores
- D underground stems

45 The diagram shows a leaf.



Use the key to identify the leaf.

- |   |  |          |
|---|--|----------|
| 1 | leaf with several small leaflets ..... | go to 2  |
|   | leaf with one large leaf blade.....    | go to 3  |
| 2 | leaflets broad and flat .....          | <b>A</b> |
|   | leaflets narrow and hair-like .....    | <b>B</b> |
| 3 | leaf with smooth edge .....            | <b>C</b> |
|   | leaf with toothed edge .....           | <b>D</b> |