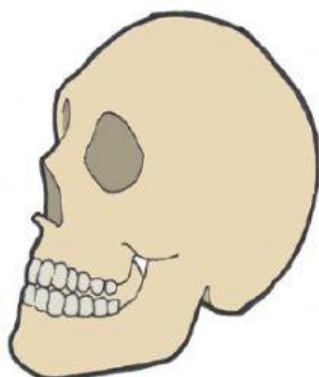


The brain is inside the skull.

What is the main way the skull helps the brain?



- A The skull carries oxygen to the brain.
- B The skull stores nutrients for the brain.
- C The skull protects the brain.
- D The skull allows the brain to move.

What do female animals need to reproduce?

- A an insect for pollination
- B a male of the same species
- C a skeleton for support
- D an animal from a different species

Science Practice 4

Jack and Adam measure their heart rates and body temperatures while at rest. They exercise for a few minutes. Then they measure their heart rates and body temperatures again. Their results are shown below.

Student	Heart rate at rest (beats per minute)	Temperature at rest (°C)	Heart rate after exercise (beats per minute)	Temperature after exercise (°C)
Jack	90	37.0	110	37.3
Adam	75	36.6	100	37.1

Which conclusion do the results support?

- A When people exercise, their temperatures decrease.
- B When people exercise, their muscles get larger.
- C When people exercise, their heart rates increase.
- D When people exercise, their bodies get stronger.

Kato has just started to grow facial hair.

Which life stage is Kato going through?



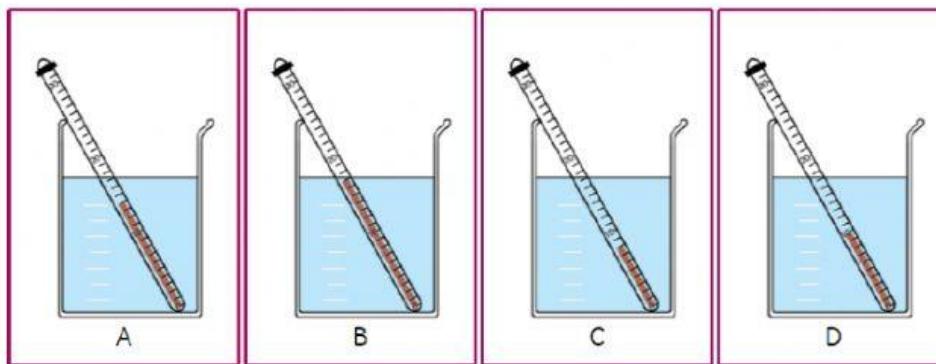
- A childhood
- B puberty
- C adulthood
- D old age

Which type of teeth are shown in the picture?

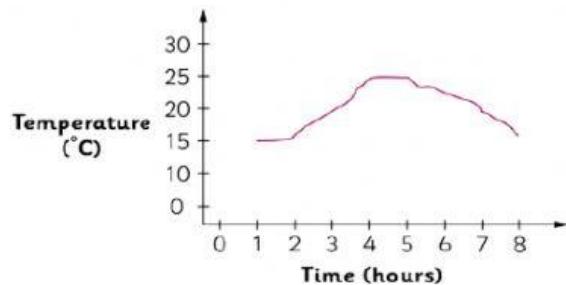
- A canine
- B incisor
- C wisdom
- D molar



Which beaker of water has the lowest water temperature?



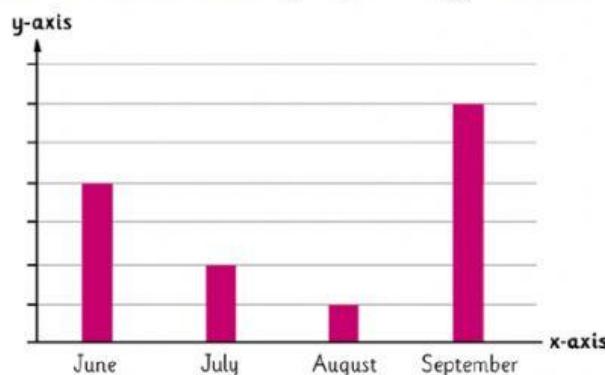
A computer with a thermometer records the following data.



Which statement describes the data collected?

- A The temperature decreased for five hours.
- B The temperature increased for five hours.
- C The temperature stayed above 20°C.
- D The temperature stayed below 30°C.

The graph below shows the total amount of rainfall during four months in a town.



What would be the best label for the y-axis?

- A. town
- B. month
- C. temperature (°C)
- D. rainfall (cm³)

Which piece of equipment would you use to measure the volume of rain collected in a pot?

- A scales
- B a measuring cylinder
- C a ruler
- D a thermometer

Emma and Kato stand 5 metres apart.

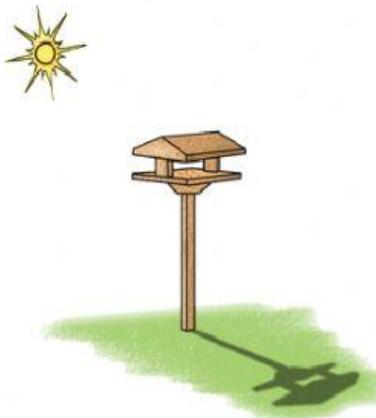
They can hear each other talk because of...

- A air vibrations.
- B electrical current.
- C gravity.
- D friction.

Which shows the correct order of the stages in an investigation?

- A write a conclusion, measure the results and choose the right equipment
- B choose the right equipment, measure the results and write a conclusion
- C write a conclusion, choose the right equipment and measure the results
- D choose the right equipment, write a conclusion and measure the results

Which of these statements explains why the bird table casts a shadow?

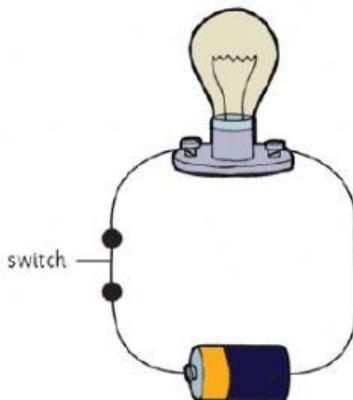


- A The bird table is touching the ground.
- B The light is reflected off the bird table.
- C The Sun is far away from the bird table.
- D Light cannot pass through the bird table.

Zara builds a simple electrical circuit.

She closes the switch as shown in the diagram.

When Zara opens the switch, the lamp...



- A lights up.
- B becomes dim.
- C turns off.
- D becomes hot.

Birds lay eggs.

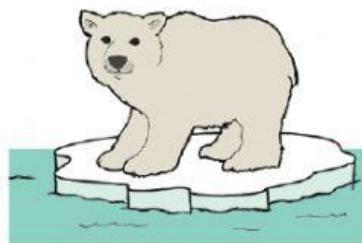
What do all birds' eggs need from their surroundings to hatch



- A food
- B a nest
- C warmth
- D a tree

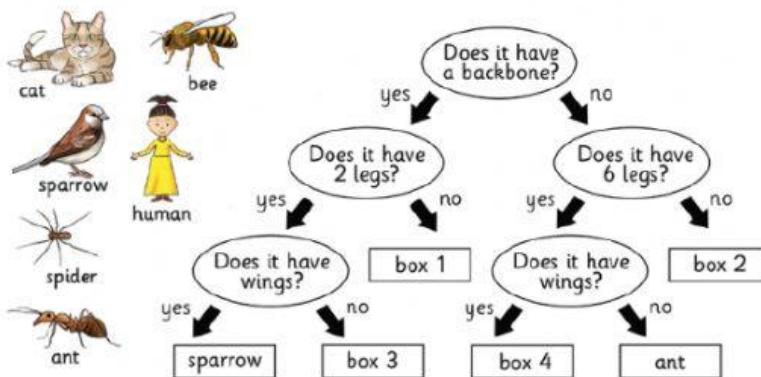
Polar bears usually stand on floating ice when they hunt.

How would warmer temperatures affect polar bears?



- A There would be more ice so hunting would be easier.
- B There would be less ice so hunting would be easier.
- C There would be more ice so hunting would be harder.
- D There would be less ice so hunting would be harder.

Lily finds six different animals in her garden. She makes a key which identifies all the animals. The names of some animals are missing.
Which animal should go in box 1?



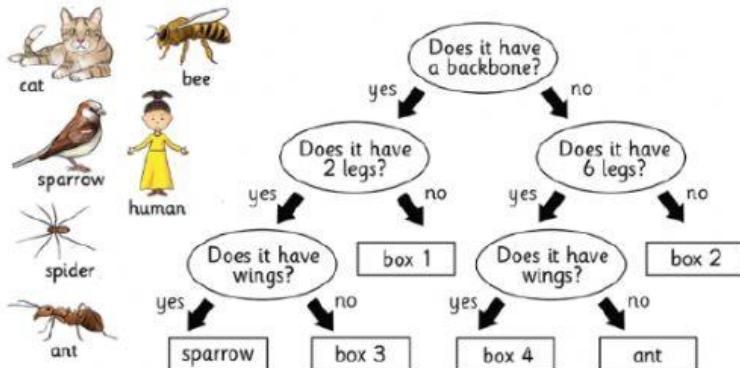
A. bee

B. cat

C. human

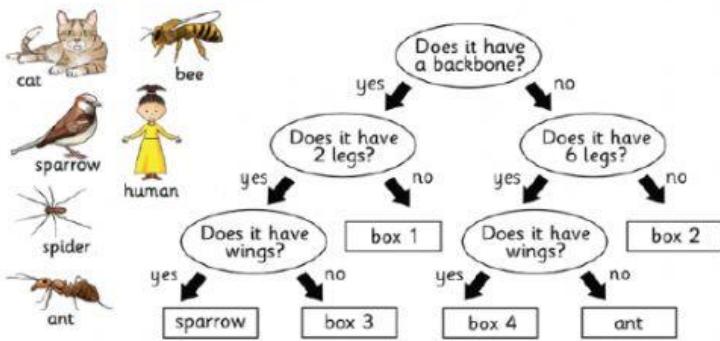
D. spider

Lily finds six different animals in her garden. She makes a key which identifies all the animals. The names of some animals are missing.
Which animal should go in box 2?



A. bee B. cat C. human D. spider

Lily finds six different animals in her garden. She makes a key which identifies all the animals. The names of some animals are missing.
Which animal should go in box 3?



A. bee B. cat C. human D. spider