

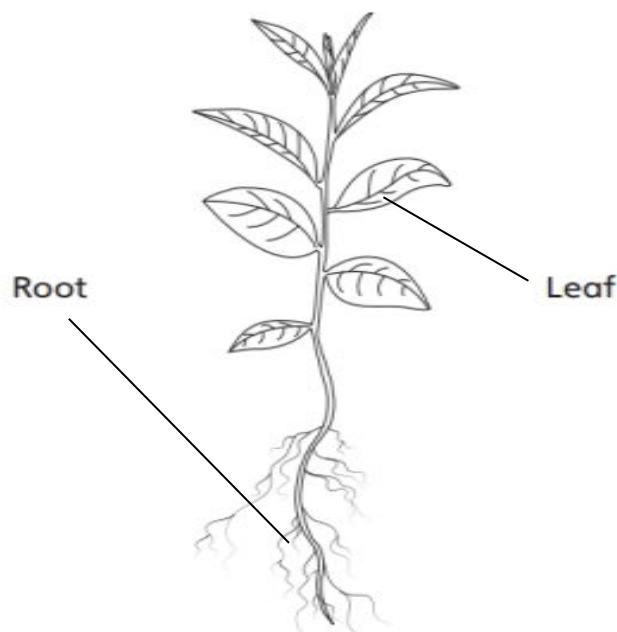
GRADE 4 SCIENCE REVIEW 2

Answer all questions.

Some questions must be answered with a cross in a box ☐.

If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with another cross ☐.

1. The picture shows a plant and two names of parts of the plant.



Draw a line from each word to label the correct part of the plant.

2. Plants need air and water to grow well.

What else do plants need to grow well?

other plants



light



ice cream



wind






3. What is the function of a leaf?

Circle one letter.

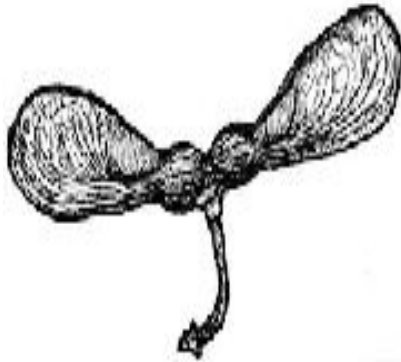
- A** To absorb water from the soil
- B** To support the plant
- C** To use sunlight to provide the plant with energy
- D** To create seeds



4. Draw a line to match each part of a plant with its function.

Part of the plant	Function
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"><p style="text-align: center;">flowers</p></div>	<div style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"><p>make food for the plant</p></div>
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"><p style="text-align: center;">leaves</p></div>	<div style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"><p>hold the plant in the soil</p></div>
<div style="border: 1px solid black; padding: 5px;"><p style="text-align: center;">roots</p></div>	<div style="border: 1px solid black; padding: 10px;"><p>attract insects to the plant</p></div>

5. What is the most likely method of dispersal for this seed?



water



animal



wind



explosion



6. This butterfly is drinking a sweet liquid from inside a flower.







What is the name of the sweet liquid?

Answer: Nectar

7. Which of the plants below is likely to grow best?

Circle one letter.

A 	B 	C 	D 
light + air	water + light	water + air	light + water + air

8. To have a fair test, how many variables (factors) should we change?

0



1



2



3



9. At the end of an investigation, what do we normally write?

a prediction



a conclusion




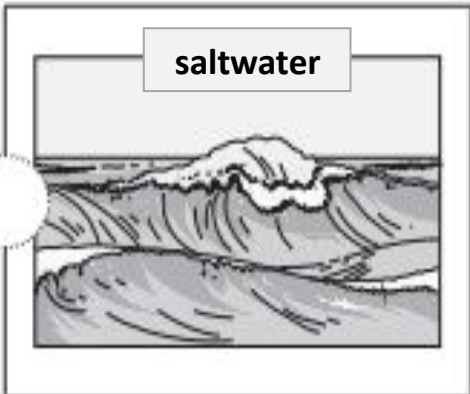



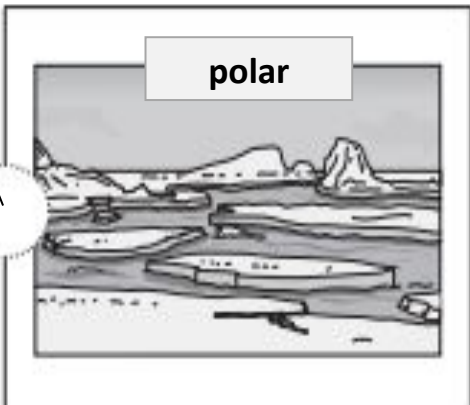
the aim



the method



10. Draw lines to match each animal with its habitat.

	 saltwater
	 desert
	 polar

Hand-drawn lines connect the polar bear to the polar habitat, the perch to the saltwater habitat, and the camel to the desert habitat.

11. Which pair of words below best describe a desert habitat? Circle your answer.

hot and wet

cold and wet

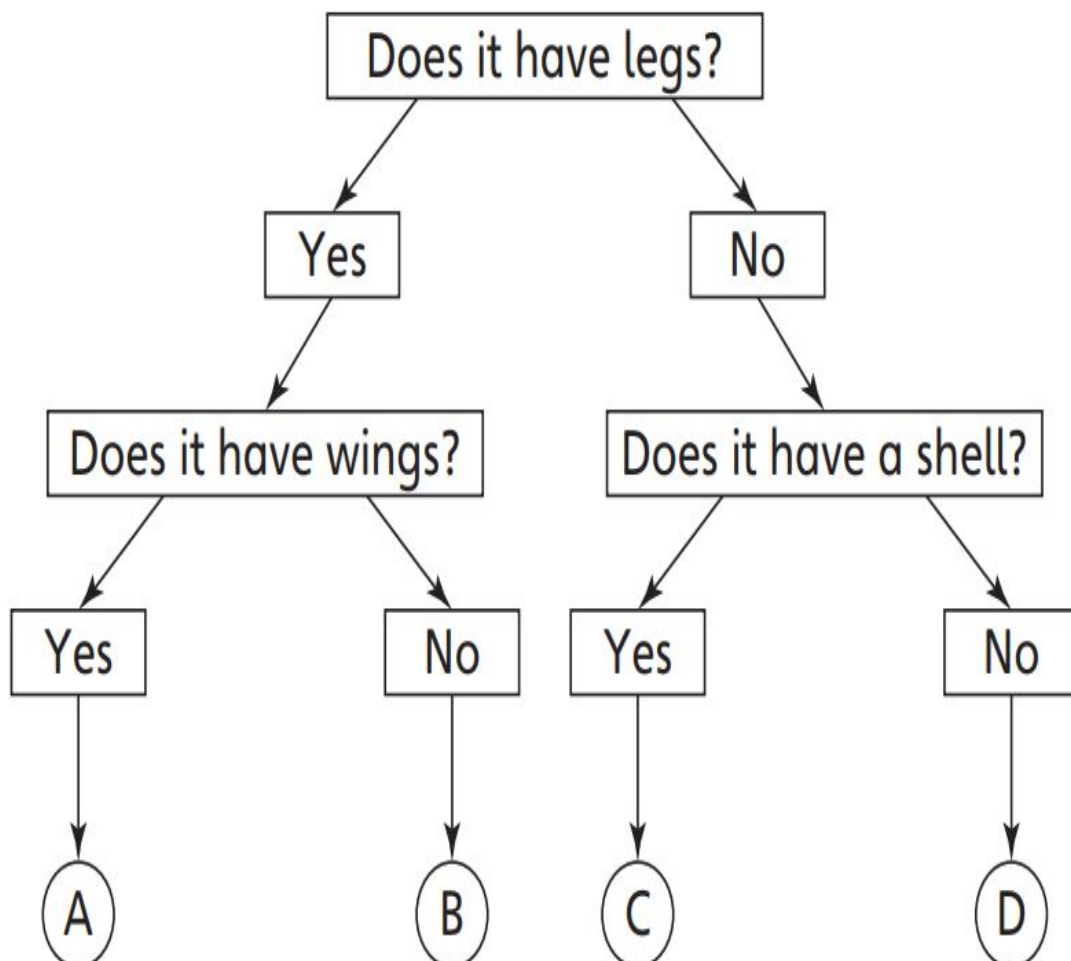
hot and dry

grassy and hot

12. Which of the sentences below is true about invertebrates? Circle one letter.

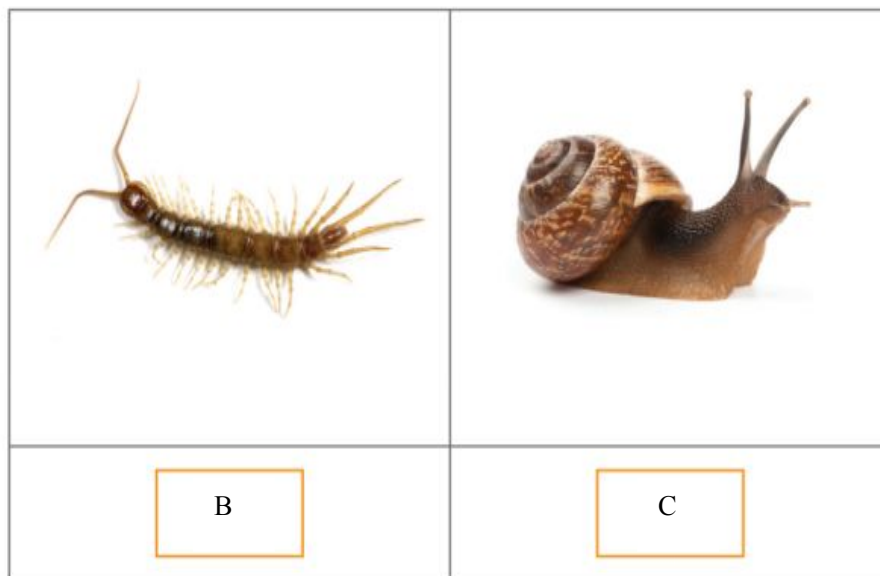
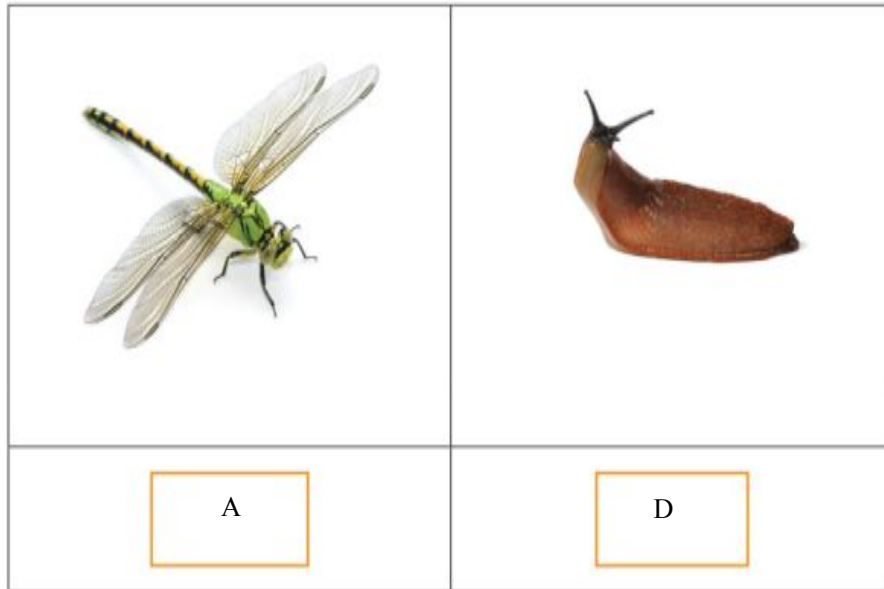
- A They have six legs.
- B They can fly.
- ☒ C They have no backbones.
- D They have three body parts.

13. Look at the animal identification key below.

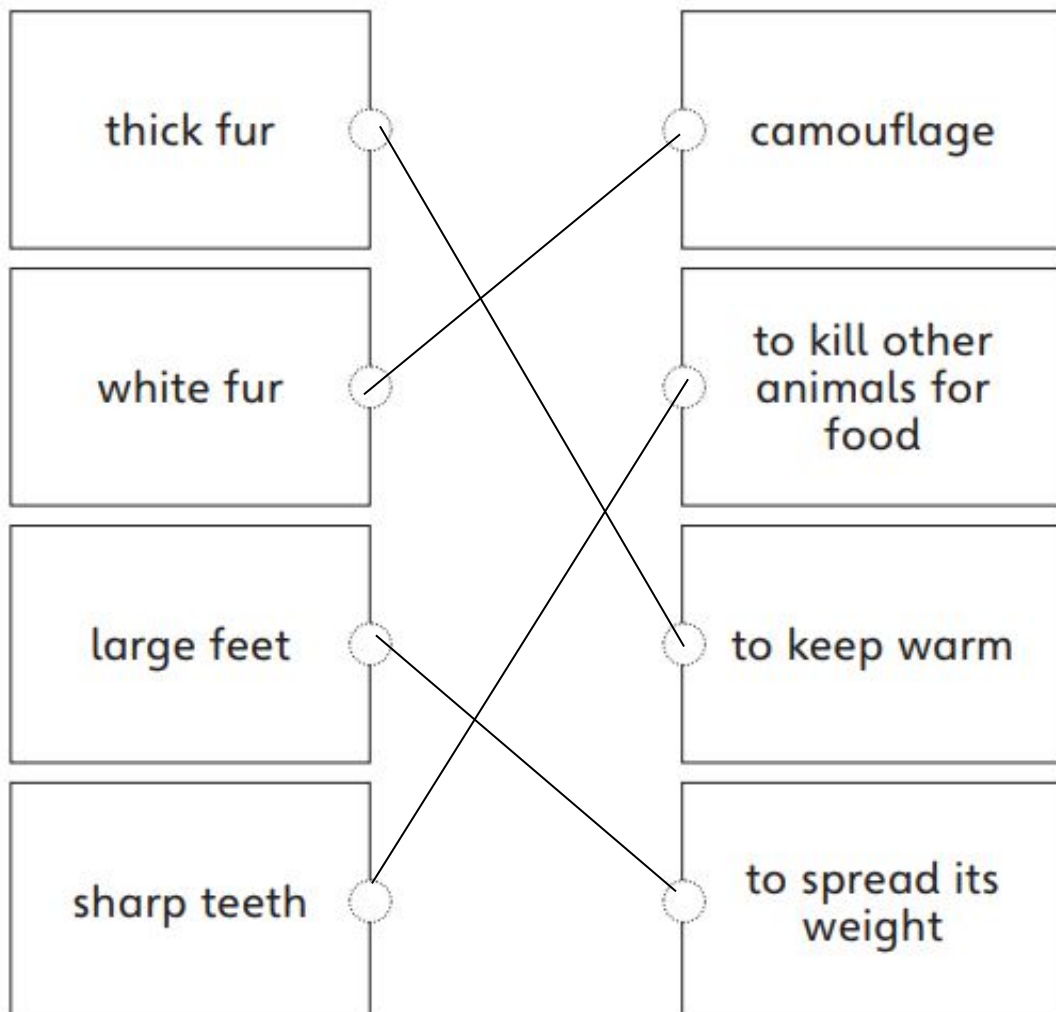


Identify the four animals in the pictures.

Write one letter in the box under each animal.



14. This is a polar bear. Draw lines to match each adaptation with how it helps the polar bear.

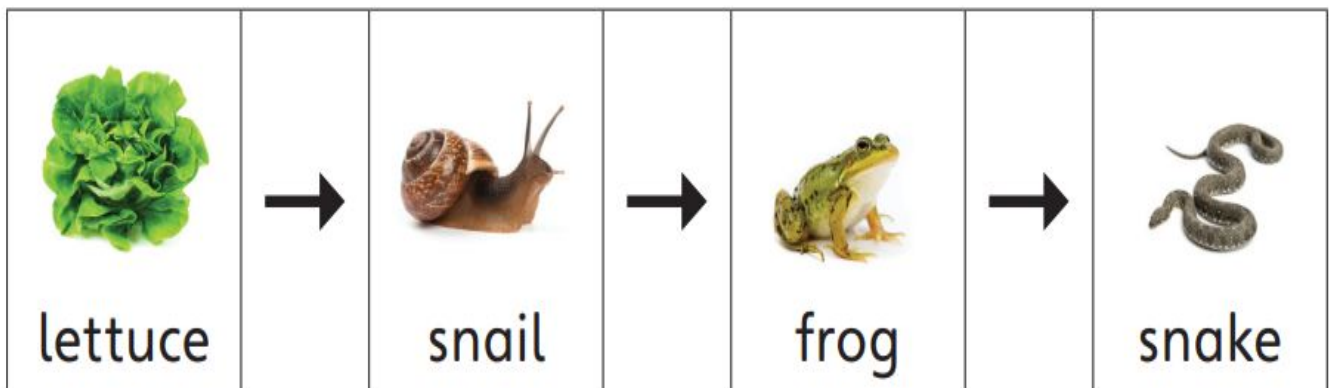


15. Why does an animal like a rabbit need camouflage? Tick one box.

- A to build a nest
- B to see in the dark
- C to hide from predators
- D to find other rabbits

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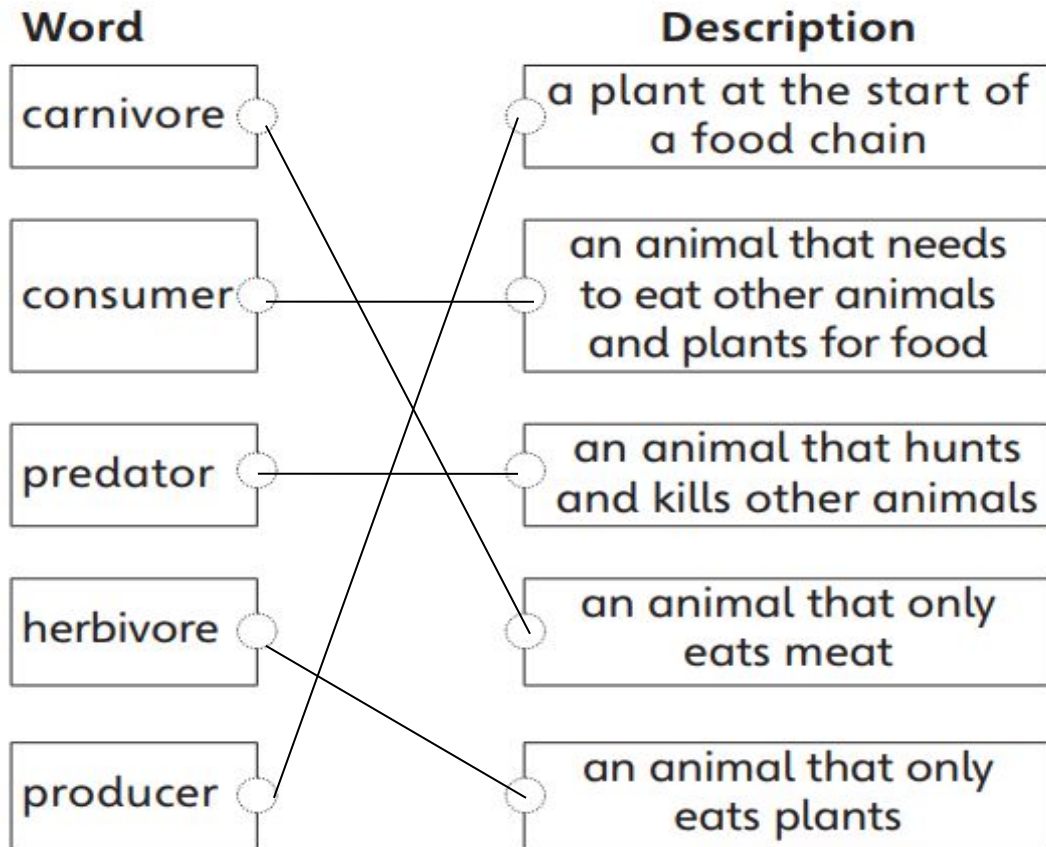
16. Look at the food chain below.



What does the frog eat? Circle one letter.

- A snails and lettuce
- B** snails
- C snakes
- D snakes and snails

17. Draw a line to match each word to the best description. Each word and each description may only be used once.



18. Write one way we can help the environment.

Many possible answers such as: reduce, reuse, recycle, conservation, plant trees, stop hunting, stop over fishing and stop pollution.

19. What state of matter is shown in the picture below?



liquid



gas



steam



solid



20. Which of these has a fixed shape?

gas



liquid



solid



vapour



21. Tom puts some ice cubes into his glass of water.



a) What will happen to the ice cubes? Circle the correct word below.

They will...

boil

condense

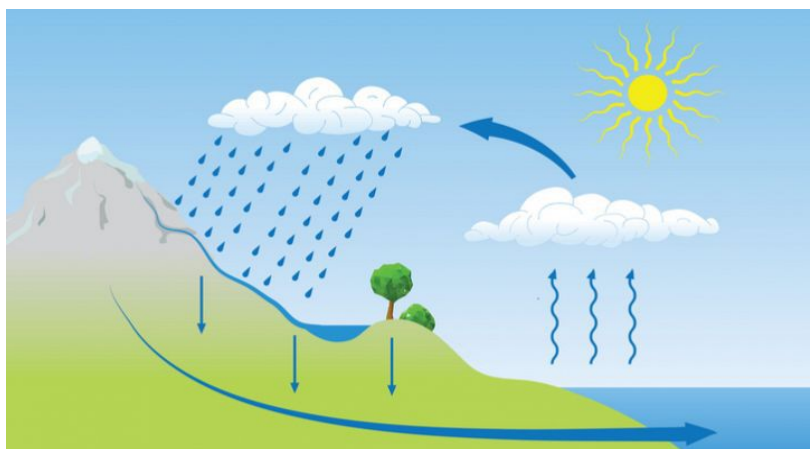
evaporate

melt

b) Complete the sentence below.

The ice will change from a solid to a liquid.

22. In the water cycle, what is the name of the process when rain, snow or hail falls from the sky?



condensation



precipitation



evaporation



melting



23. Look at the picture below.



a) At what temperature does water start turning to ice?

10°C



0°C



- 10°C



100°C



b) Water turning to ice is an example of what kind of change?

solid to liquid



liquid to gas



gas to liquid



liquid to solid



24. Complete the sentence below with the correct word.

The _____ the temperature, the faster the rate of evaporation.

higher



lower



longer



slower



25. What is the correct way to write degrees Celsius? Tick the correct box.

A C°

☐

B °C

☒

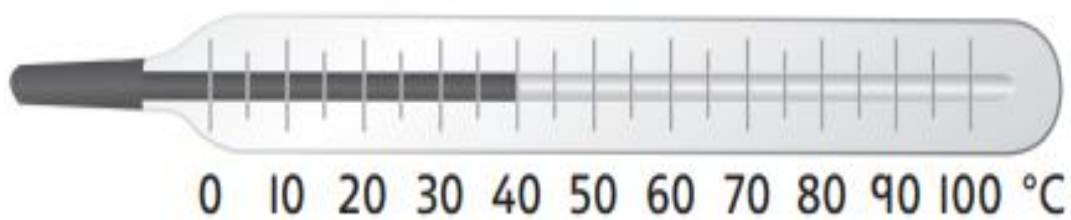
C C°

☐

D °C

☐

26. Look at the picture below. This piece of equipment is used to measure temperature.



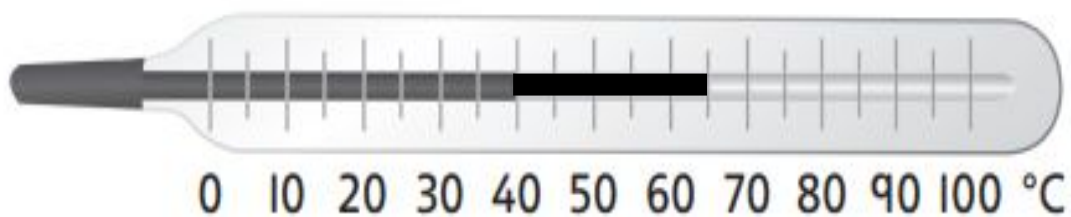
a) Name this measuring equipment.

Answer: thermometer

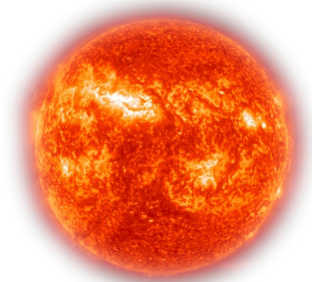
b) What temperature is shown on the diagram above?

Answer: 40 °C

c) Colour in the thermometer below to make it show 65°C.



27. Which of these best describes the Sun?



It is a moon.



It is a meteor.



It is a star.



It is a planet.



28. What causes Earth to have day and night? Circle one letter.

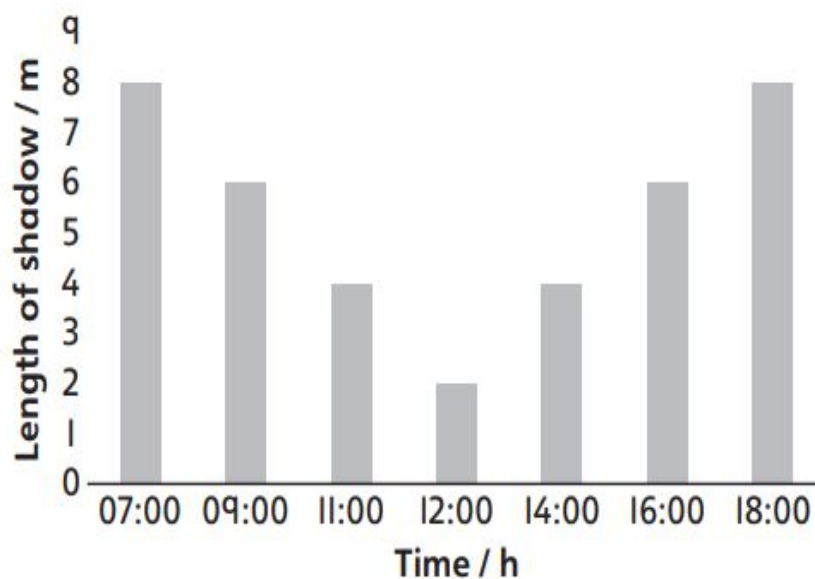
A The Moon orbits the Earth.

B The Earth spins on its axis.

C The Earth is a sphere.

D The Sun moves across the sky.

29. The bar chart below shows the length of a tree's shadow at different times of the day. Use the bar chart to answer the questions below.



a) How much longer is the shadow at 09:00 than the shadow at 11:00?

Answer = 2 m

b) At what time is the shadow shortest?

Answer = 12:00

c) At 22:00 there was no shadow. Why not?

Answer = It is night time.

30. The picture below shows a post and its shadow.



Why does this post form a dark shadow? Circle one letter.

A The post is heavy.

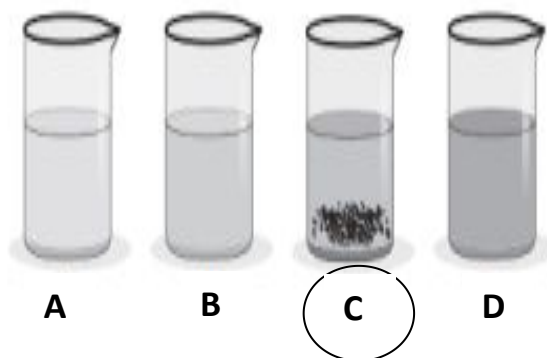
☒ B The post is opaque.

C The post is tall.

D The post is transparent.

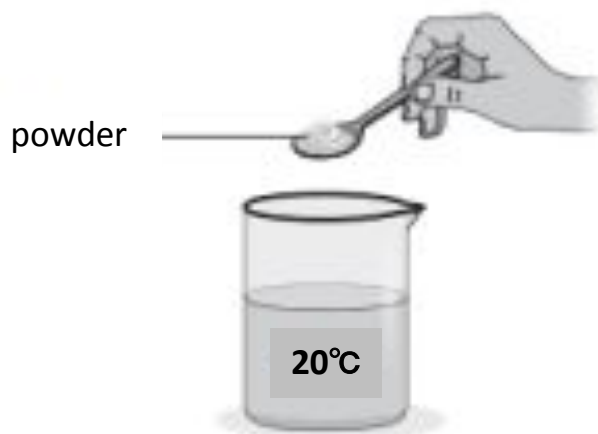
31. Look at the picture below. Which solid did not dissolve?

Circle one letter.



32. Ben is testing some powder to see if it dissolves in water.

Each time he uses 50g of powder and 100ml of water.



How could Ben get the powder to dissolve faster?

Circle one letter.

- ☒ A increase the temperature of the water to 30°C
- ☐ B use 70g of powder each time
- ☐ C use a bigger glass
- ☐ D decrease the temperature of the water to 10°C