

GRADE 4 SCIENCE REVIEW

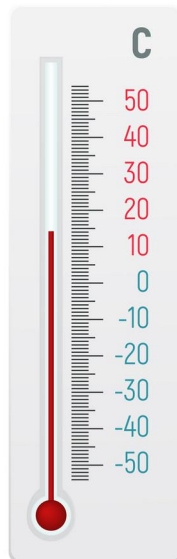
Answer key

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. What is the name of the piece of equipment below?



thermometer



magnet



ruler



measuring cylinder



2. What is the function of the stem in a plant?

to create seeds



to use sunlight to
provide the plant with
energy



to support the plant and
transport water



to absorb water from the
soil



3. What is the best definition of 'germination'?

when a seed starts to grow



when the seeds are dispersed



when an animal drinks nectar



when pollen moves from one flower to another flower



4. Pollination often happens by animals such as insects visiting a flower, then moving to another flower.

From the options below, what is another method of pollination?

water



wind



pollution



freezing



5. Which of the words below does not describe a method of seed dispersal?

explosion



animal



wind



sand



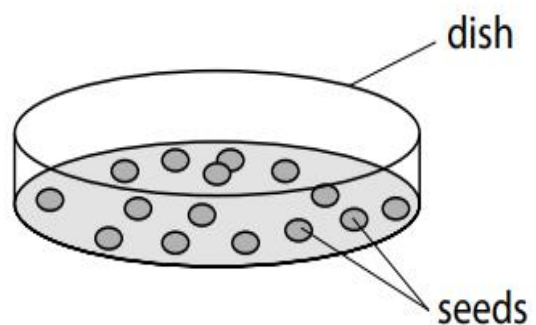
6. A student is investigating how temperature affects the germination of seeds.

They put some seeds on wet tissue paper in eight different dishes.

They put 15 seeds in each dish.

They add 5 ml of water to each dish every day.

They keep each dish at a different temperature.



What variable (factor) are they changing?

the amount of water



the number of seeds



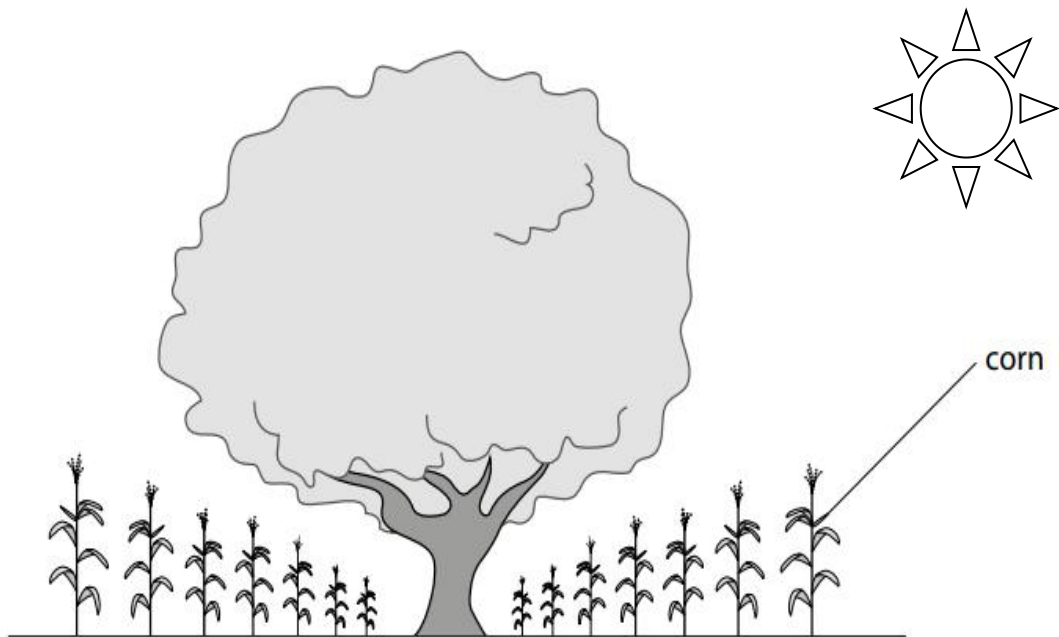
the amount of sunlight



the temperature



7. The diagram shows a tree growing in a corn field.



The corn does not grow well under the tree.

Give one reason why the corn does not grow well under the tree.

Examples: There is no sunlight. Or
The tree takes most of the nutrients and water.

8. In which habitat would a frog normally live?

saltwater



desert



freshwater



polar



9. How has a polar bear adapted to its habitat?

it has red fur



it has a hump to store fat



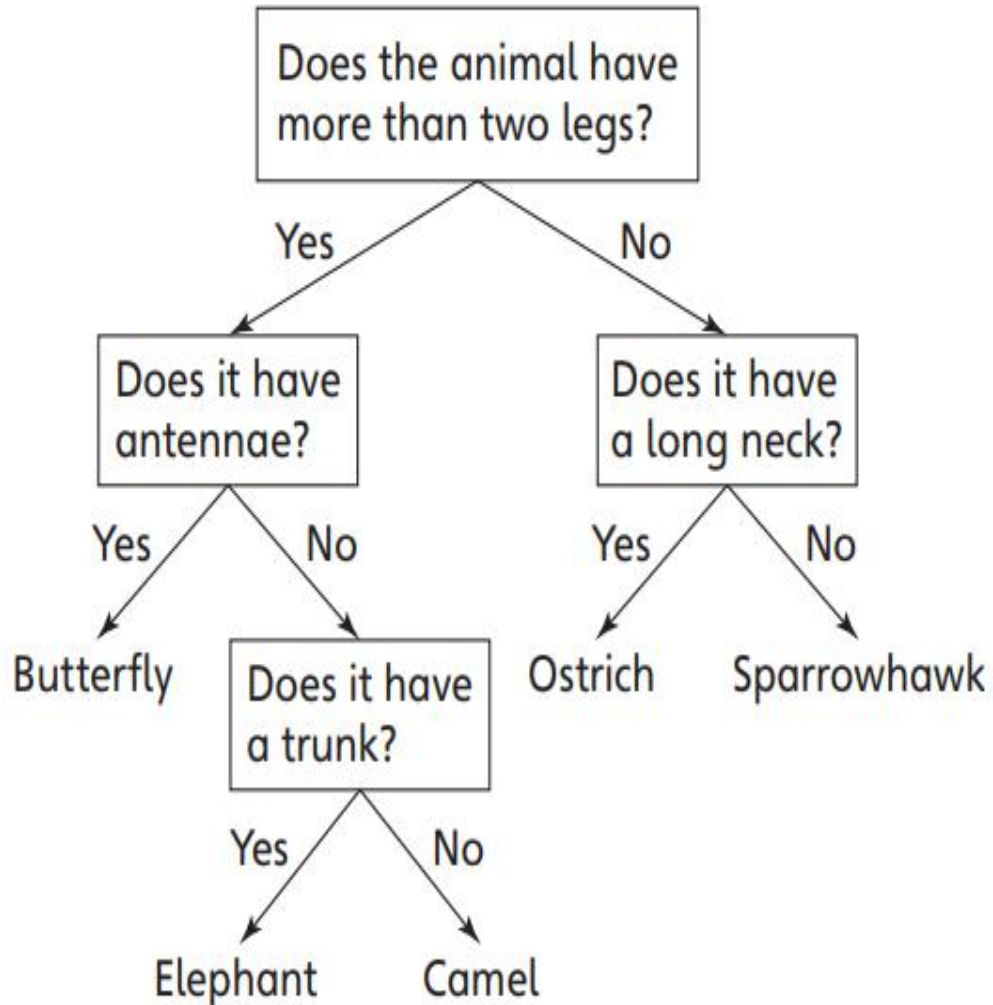
it has blunt teeth to bite
its prey



it has thick fur to keep
warm



10. Two students are sorting animals using the identification key below.



Which animal in the identification key has a trunk?

butterfly



elephant



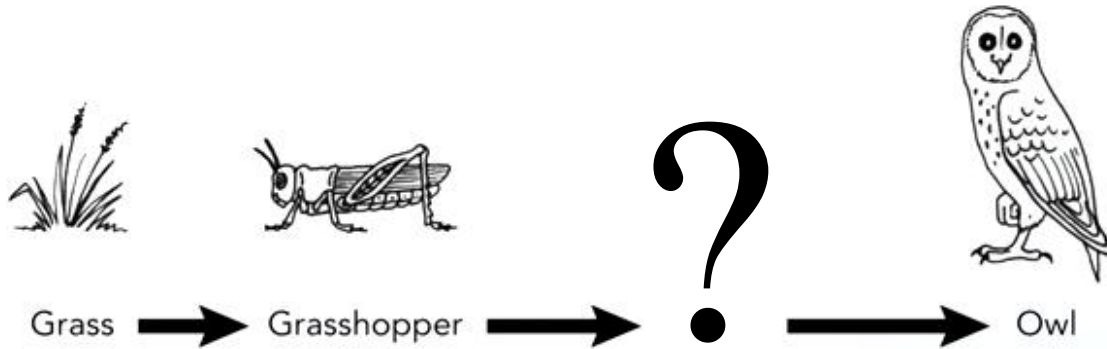
sparrowhawk



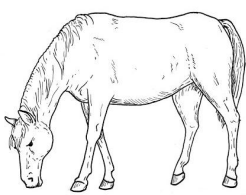
camel



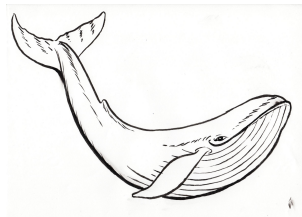
11. Look at the food chain below. One animal is missing.



a) From the options below, what animal could it be?



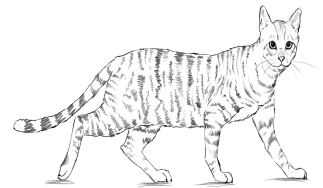
horse



whale



mouse



cat



b) Which word can be used to describe the owl?

prey



herbivore



predator



producer



12. What is the best definition of 'deforestation'?

planting trees



cutting down trees



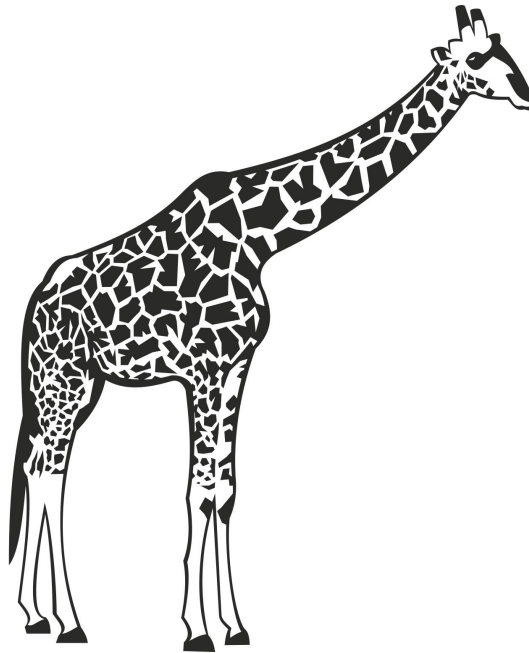
cleaning the forest



polluting trees



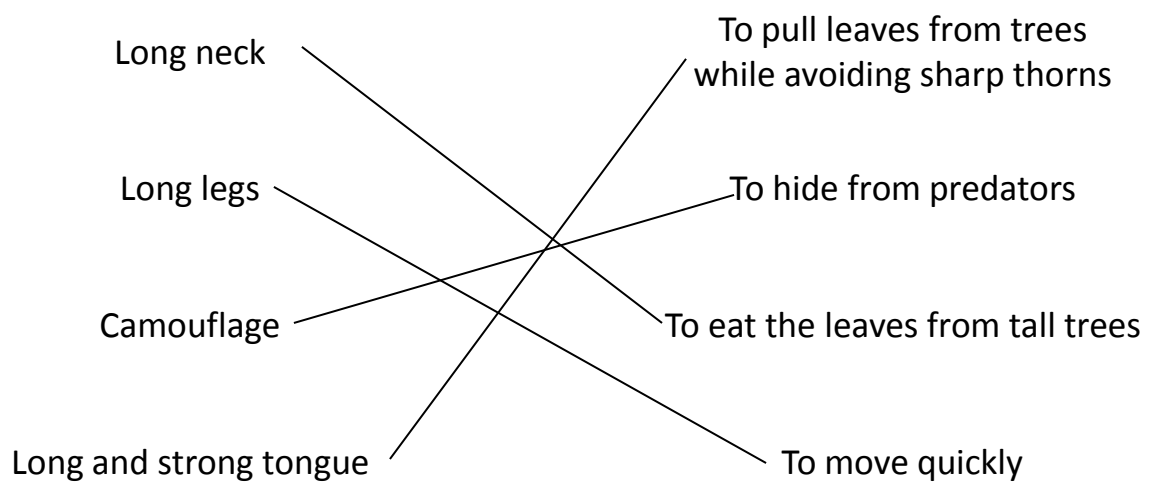
13. The animal below is a giraffe.



Draw a line to match each adaptation with how it helps the giraffe.

Adaptation

How it helps the giraffe



14. a) What is the definition of a vertebrate?

An animal with a backbone/ spine.

b) Give one example of an animal that is a vertebrate.

Any animal with a backbone. E.g: bird, lion, etc.

15. Which of the following things listed below is a liquid?

plastic



paper



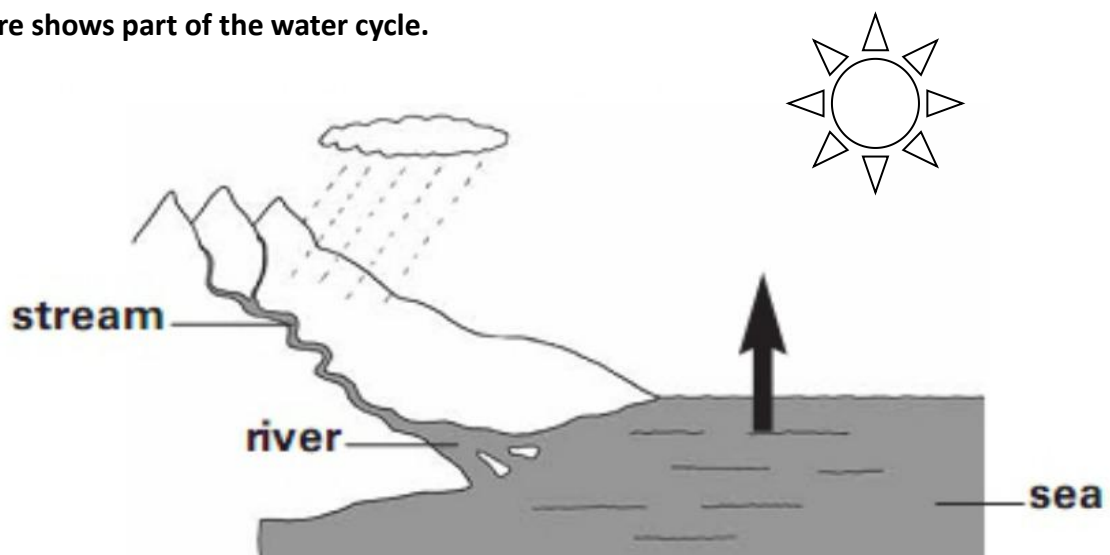
milk



oxygen



16. This picture shows part of the water cycle.



What does the arrow show?

cold water sinking



water evaporating



water vapour
condensing



gas changing to liquid



17. What temperature is both the freezing point of water and the melting point of ice?

-10°C



0°C



10°C



100°C



18. Complete the sentence below by using the words from the box.

You don't need to use all the words.

change gas liquid solid volume

A liquid has a fixed volume but
the shape can change.

19. What is the name of the process when a gas changes to a liquid?

condensation

20. Complete the sentence below by using the words from the box.

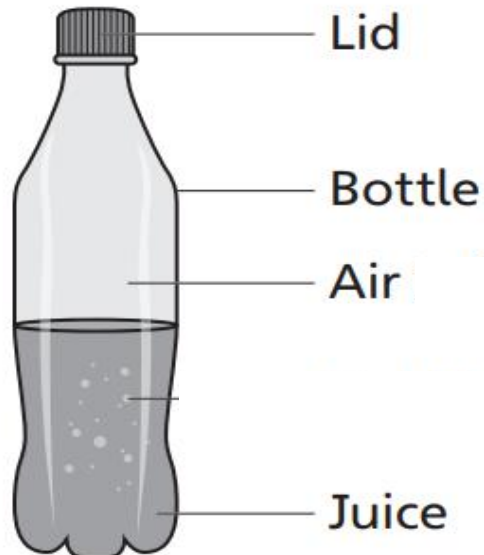
You don't need to use all the words.

change fair investigation one two

In order to have a fair test, you should only
change one variable (factor).

21. The drawing shows a half-full bottle of a fizzy juice drink.

There are four labels on the drawing:



Write each label in the correct column to show if it is a solid, a liquid or a gas.

One has been done for you.

Solid	Liquid	Gas
lid bottle	juice	air

22. What shape are the Earth, Sun and Moon?

circle



square



sphere



solid



23. How long does the Moon take to orbit the Earth?

365 days



28 days



24 hours



7 days



24. Which of the statements below is true?

the Sun orbits the Earth



the Moon orbits the Earth



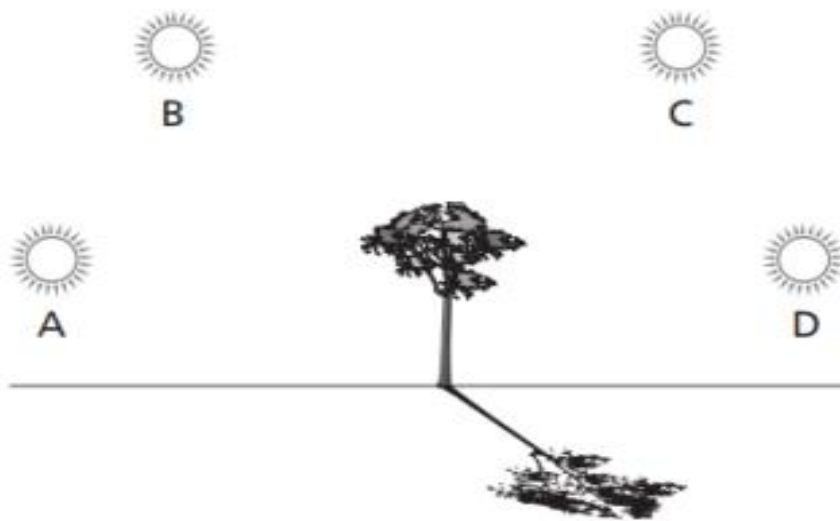
the Sun orbits the Moon



the Earth orbits the Moon



25. The picture below shows a tree and the shadow it makes on a sunny day.



Which letter shows where the Sun was when this shadow was formed?

A



B



C



D



26. How long does it take for the Earth to spin on its axis once?

24 hours



1 hour



28 days



365 days



27. Which statement about an opaque object is true?

it is pink in colour



it is a source of light



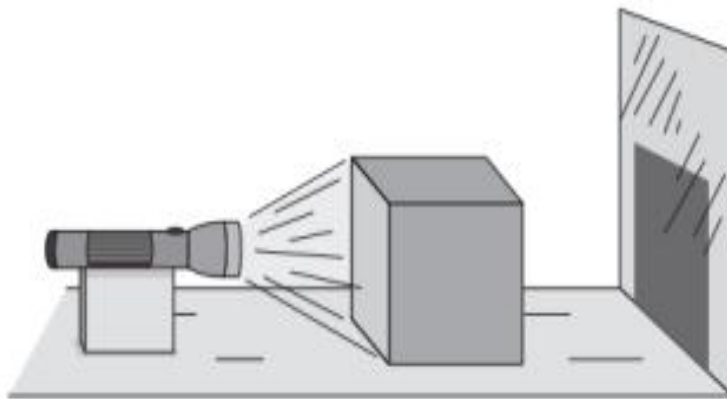
it blocks light



it lets most light through



28. The picture shows a torch, a box and a wall. The torch is switched on.



Why is there a shadow?

The box is opaque and blocks the light.

29. What is the scientific word for the solid part of a solution?

solution



solute



dissolve



solvent



30. Claude puts a sugar cube into his cup of hot tea. What happens to the sugar cube?

it freezes



it dissolves



it evaporates



it turns into a gas

