



Cambridge Primary Sample Test

For use with curriculum published in September 2020

Science Paper 1

Stage 3

30 minutes

Name

No additional materials are needed.

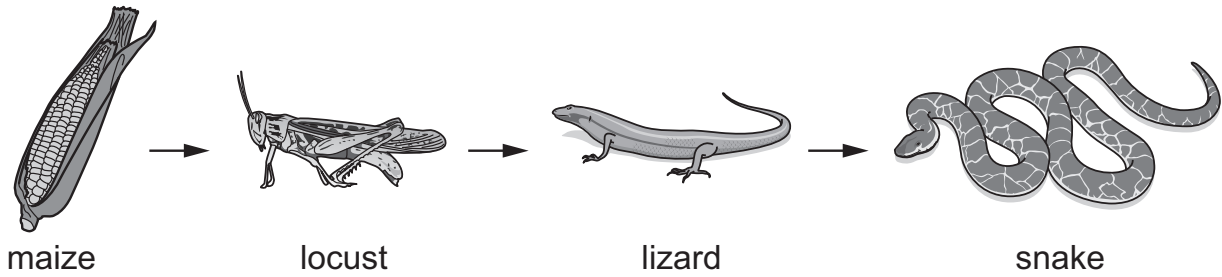
INSTRUCTIONS

- Answer **all** questions.
- Write your answer to each question in the space provided.
- You should show all your working on the question paper.

INFORMATION

- The total mark for this paper is 30.
- The number of marks for each question or part question is shown in brackets [].

1 Oliver draws a food chain.



(a) Which organism produces its own food?

Circle the correct answer.

maize

locust

lizard

snake

[1]

(b) How many consumers are in this food chain?

..... [1]

2 Draw a line to match each **word** to its correct **description**.

word

description

opaque

only some light passes through

translucent

blocks all the light

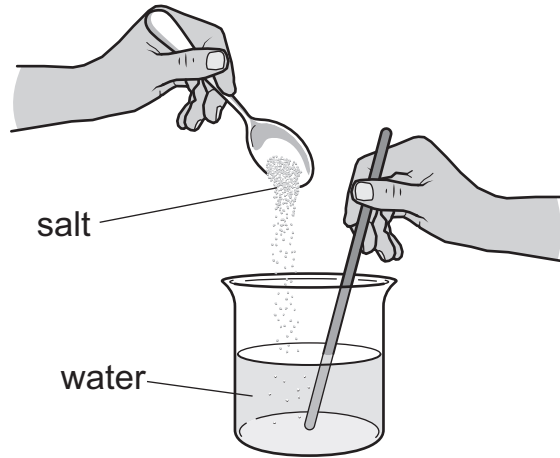
transparent

all light passes through

[1]

3 Chen adds salt to water.

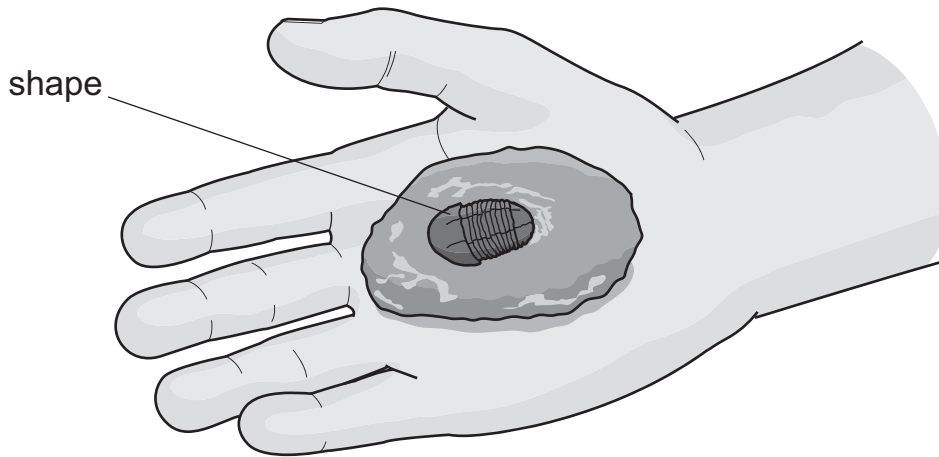
He stirs the mixture.



Describe what happens.

.....
..... [1]

4 Aiko finds a shape in a rock.



(a) What happened to make this shape in the rock?

.....
..... [1]

(b) What is the name of this shape in the rock?

..... [1]

5 Jamila has pictures of different things.



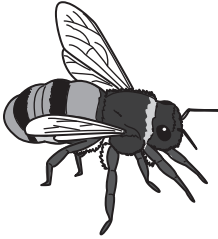
~~stone~~



bone



scissors



~~bee~~



tree



plastic bottle

(a) Write down the name of each thing in the correct group.

Two have been done for you.

living	once alive	never lived
bee		stone

[1]

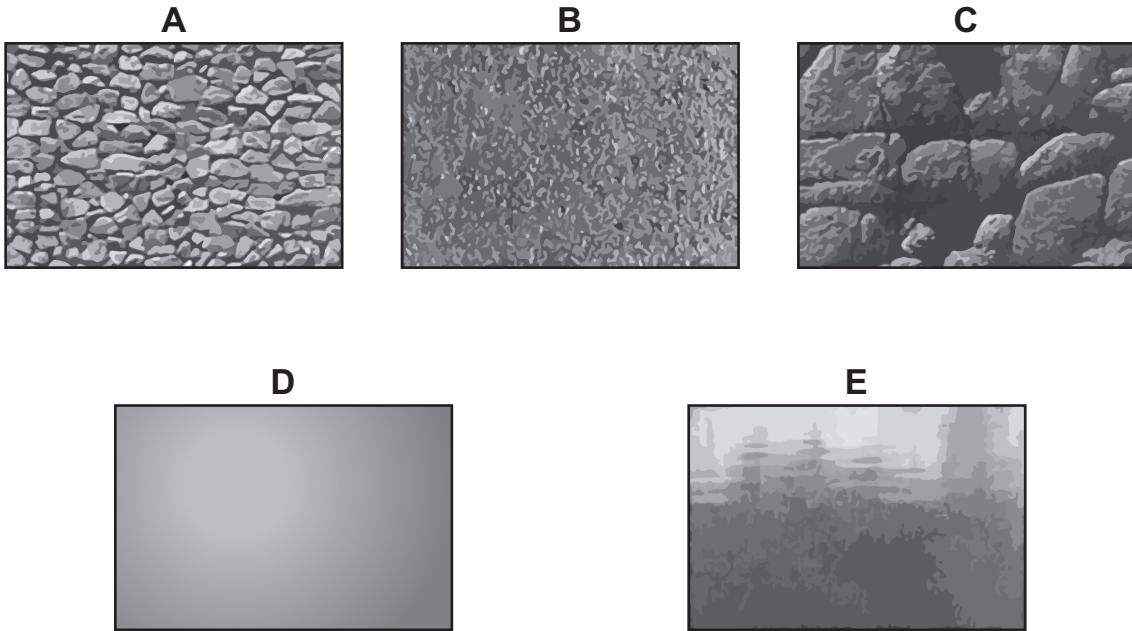
(b) Write down **one** life process that all living things do.

.....

[1]

6 Friction happens between surfaces when they are rubbed together.

Look at these different surfaces.



(a) Which surfaces have the **least** friction between them?

Circle the correct answer.

A and B

A and D

B and E

D and E

[1]

(b) Surface **C** has the **most** friction when another surface is rubbed against it.

Explain why.

.....
..... [1]

7 Materials can be solids, liquids or gases.

(a) Which material is a **solid** at room temperature?

Circle the correct answer.

gasoline

graphite

hydrogen

milk

[1]

(b) Which material is a **liquid** at room temperature?

Circle the correct answer.

carbon dioxide

plastic

wood

water

[1]

8 Draw a line to match each **part of a plant** to its correct **function**.

part of a plant

function

leaf

to keep the plant upright

root

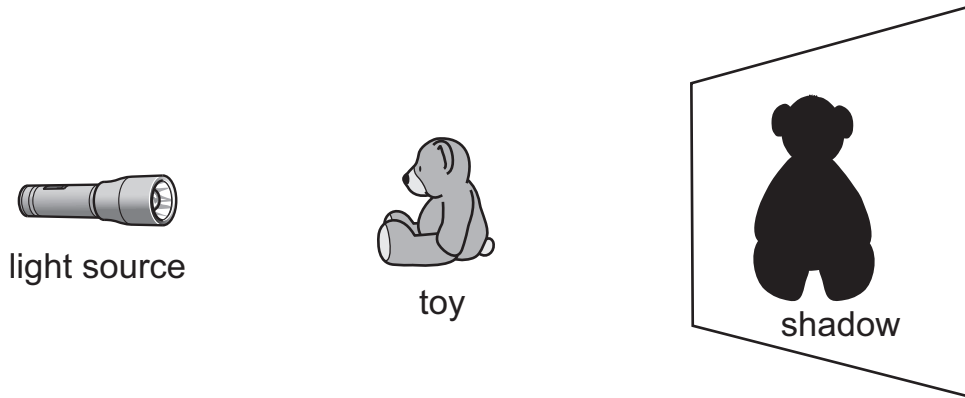
to take water into the plant

stem

to make food using sunlight

[1]

9 Lily and Mia investigate shadows.



Lily changes the distance between the light source and the toy.

Mia measures the size of the shadow.

Here are the results.

distance between light source and toy in cm	size of shadow in cm
10	25
20	20
30	15
40	10

(a) The distance between the light source and the toy is 30 cm.

What is the size of the shadow?

Circle the correct answer.

10 cm

15 cm

20 cm

25 cm

[1]

(b) Complete the conclusion.

Increasing the distance between the light source and the toy makes the

shadow

[1]

10 Humans have organs.

(a) Inside the skull is the brain.



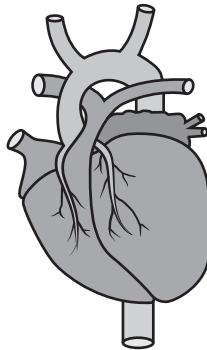
What is the function of the brain?

Circle the correct answer.

- brings oxygen into the body
- controls everything in the body
- digests food
- takes food into the body

[1]

(b) The heart is an organ.



Tick (✓) **all** the true statements about the heart.

made of muscle

pumps blood to the lungs

stops beating at night

[1]

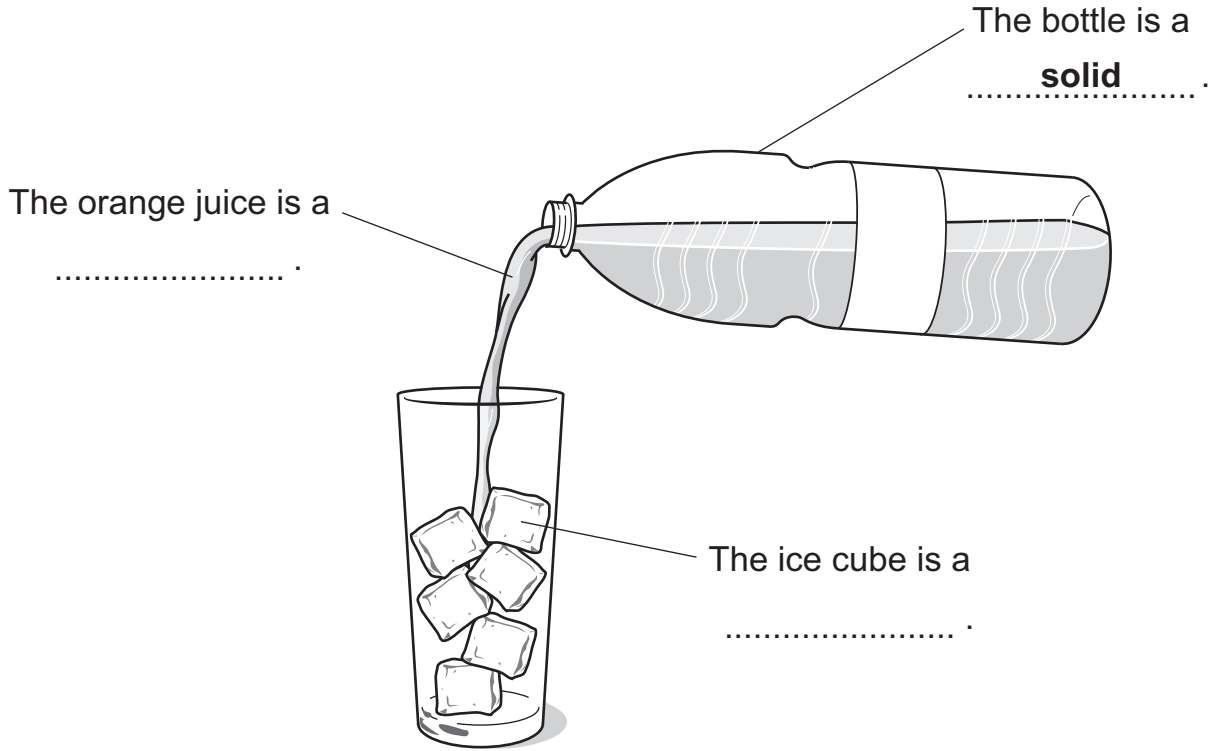
11 (a) Orange juice is added to a glass containing ice.

Complete the sentences by writing down the state of matter.

Choose from the list.

gas liquid solid

One has been done for you.



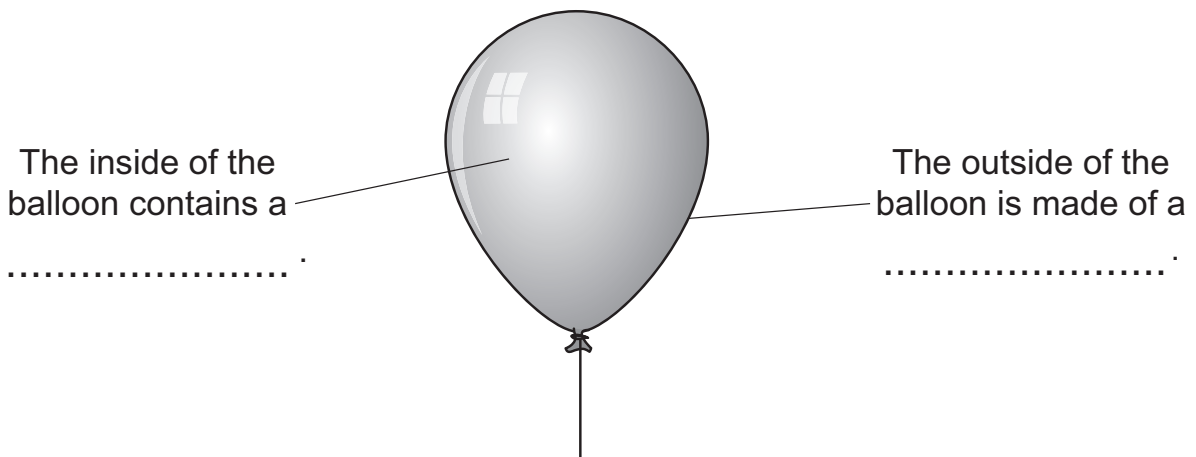
[1]

(b) A balloon contains air.

Complete the sentences by writing down the state of matter.

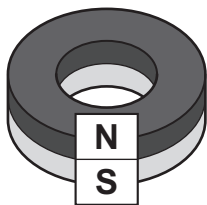
Choose from the list.

gas liquid solid



[1]

12 There are different types of magnets.



ring magnet



horseshoe magnet



bar magnet

(a) Safia labels the **N** pole and **S** pole on the ring magnet.

Complete the labels for the horseshoe magnet and the bar magnet.

Put the letter **N** or the letter **S** in each empty box on the diagram.

[1]

(b) Complete the sentences.

The letter **N** is the pole of the magnet.

The letter **S** is the pole of the magnet.

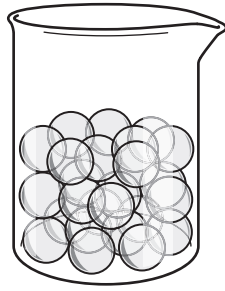
When two **S** poles are placed next to each other they

When a **N** pole and a **S** pole are placed next to each other they

.....

[2]

13 Blessy has large glass balls and small grains of sand.



large glass balls



small grains of sand

(a) She pours the sand into the container with the glass balls.

Describe what happens.

.....
 [1]

(b) Which scientific skill is she using **after** she pours the sand into the container with the large glass balls?

Circle the correct answer.

fair testing

observing over time

pattern seeking

research

[1]

14 Rajiv has four plants.



(a) Rajiv says,

'I predict the plant gets more leaves as it grows.'

Count the leaves and complete the sentences.

The smallest young plant has leaves.

The largest old plant has leaves.

This makes the prediction

[1]

(b) Rajiv measures the height of the plants.

Which piece of equipment does he use?

Circle the correct answer.

beaker

graph

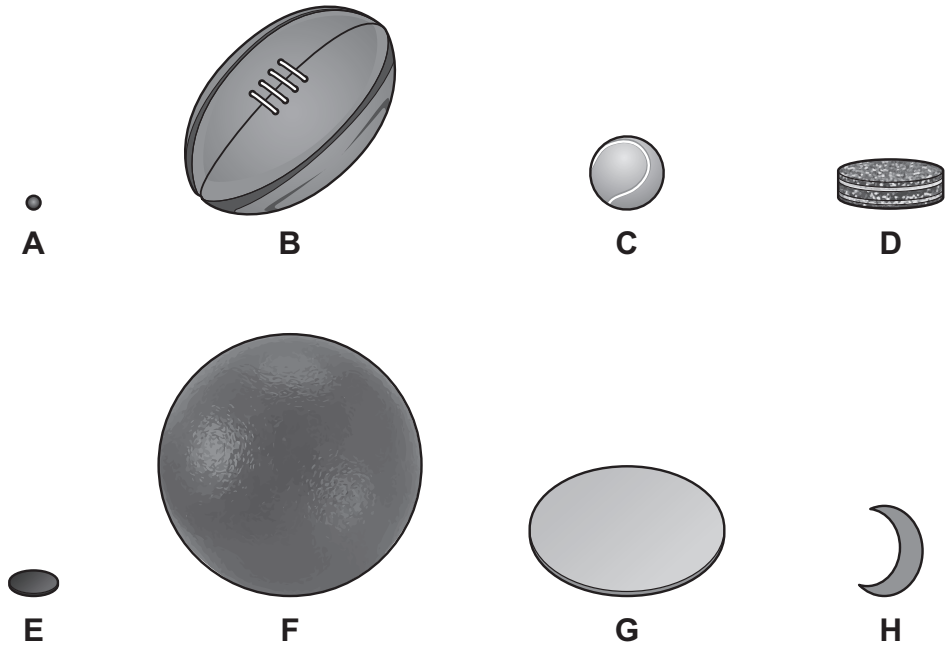
ruler

stopwatch

[1]

15 Pierre is making a model of the Sun, the Moon and the Earth.

He has eight objects.



(a) Which objects are best to use for the Sun, the Moon and the Earth?

Choose **one** letter for each model.

The Sun is letter

The Moon is letter

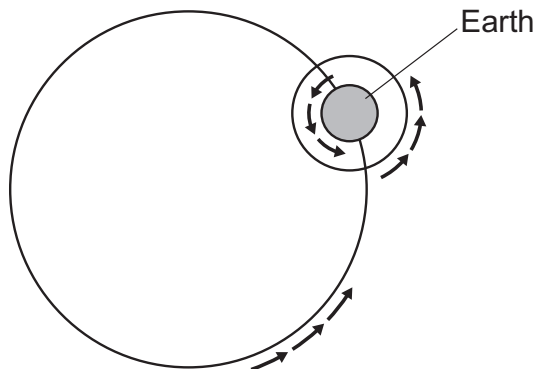
The Earth is letter

[2]

(b) The Earth moves around the Sun.

The Moon moves around the Earth.

Complete the diagram by adding **and** labelling the Sun and the Moon.



[2]

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