



Science

Stage 3

Paper 2

2024

Cambridge Primary Progression Test

Name

Class

Date

30 minutes

No additional materials are needed.

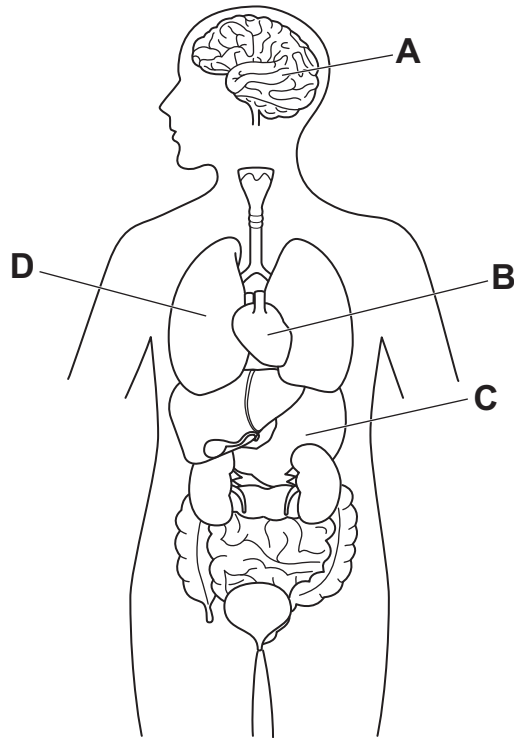
INSTRUCTIONS

- 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 The diagram shows some organs of the body.



(a) Write down the name of the part labelled **A**.

..... [1]

(b) Draw a straight line from each **labelled part** to its **function**.

labelled part	function
A	controls the body
B	digests food
C	pumps blood
D	takes in oxygen

[2]

2 Solids, liquids and gases are the three states of matter.

(a) Circle **all** the materials that are liquid at room temperature.

copper

oxygen

ink

milk

plastic

salt

[1]

(b) Write down **two** properties of liquids.

1

.....

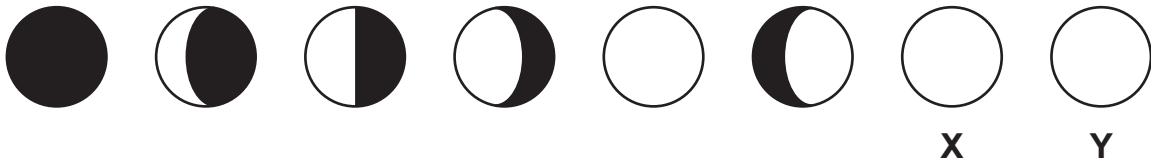
2

.....

[2]

3 (a) The diagram shows the phases of the Moon as seen in the southern hemisphere.

The diagram is **not** complete.



Complete the diagram by drawing the correct shapes for phase **X** and phase **Y**.

[2]

(b) Jamila models the relative movement of the Earth, Sun and Moon.

The picture shows the balls she uses to represent the Earth, Sun and Moon.



Earth



Sun



Moon

Write down **two** reasons why the ball she uses for the Earth is **not** a good choice.

1

.....

2

.....

[2]

(c) The picture shows a footprint left on the Moon by an astronaut.



The footprint has been left by a living thing.

Some fossils on Earth show footprints of animals that lived millions of years ago.

Circle the word that **best** describes this type of fossil.

impression

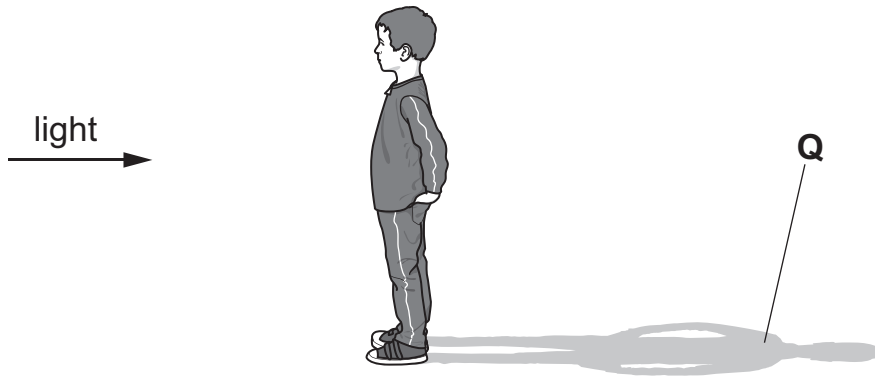
mineral

solid

surface

[1]

4 Look at the picture of Chen.



(a) Complete the sentences about the part labelled **Q**.

Part **Q** is made because Chen the light.

Part **Q** is called a

[2]

(b) Chen moves closer to the light.

What happens to part **Q**?

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

5 Mia investigates dissolving.

She uses four different solids, **A**, **B**, **C** and **D**.

Mia:

- puts water into a beaker
- adds a small amount of solid **A** to the water
- stirs the water
- records her observations
- repeats her method with solids **B**, **C** and **D**.

Mia then repeats her investigation using oil instead of water.

(a) Describe what Mia observes if a solid dissolves in water.

.....
 [1]

(b) Mia uses two different liquids and four different solids.

Here are her results.

solid	liquid	solid dissolves
A	water	yes
B	water	yes
C	water	no
D	water	yes
A	oil	no
B	oil	no
C	oil	yes
D	oil	no

Which solid is insoluble in water?

Choose the correct letter.

..... [1]

(c) Write down **one** conclusion from the results of this investigation.

.....
 [1]

6 The diagram shows a food chain.



Not drawn to scale

(a) Name the producer in this food chain.

..... [1]

(b) Name the consumer of the chameleon in this food chain.

..... [1]

(c) All of the living things in the food chain grow.

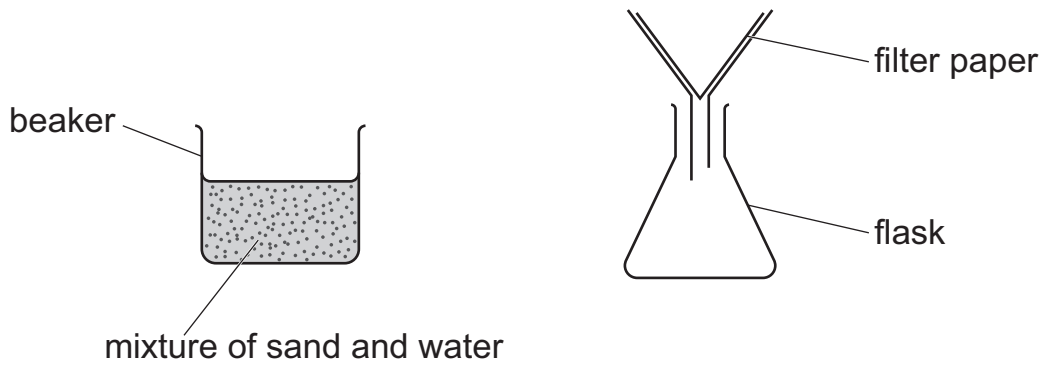
Write down **two other** life processes they have in common.

1

2

[2]

7 The diagram shows the equipment used to separate sand and water.



(a) Complete the sentences to describe how the solid and liquid are separated.

The mixture of sand and water is poured into the

This stops the and lets the through.

[2]

(b) Write down the name of the process used to separate a mixture of sand and water.

..... [1]

8 Anastasia investigates the growth of plants.

Anastasia:

- uses two plants growing in pots
- measures the height of each plant
- puts one plant in the light and one plant in the dark
- measures the height of each plant every five days.

(a) Circle the name of the equipment Anastasia uses to measure the height of the plants.

balance

measuring cylinder

ruler

stopwatch

[1]

(b) Anastasia says:

'I think the plant in the light will grow faster than the plant in the dark.'

What is this statement?

Circle the correct answer.

conclusion

evidence

observation

prediction

[1]

(c) Here are her results.

day	height of plant in mm	
	plant in the light	plant in the dark
0	40	40
5	43	46
10	46	52
20	50	56
25	52	61

Anastasia says:

'I think the plant in the light will grow faster than the plant in the dark.'

Tick (✓) to show if the results support her statement.

yes no

Explain your answer.

Use information from the results table.

.....

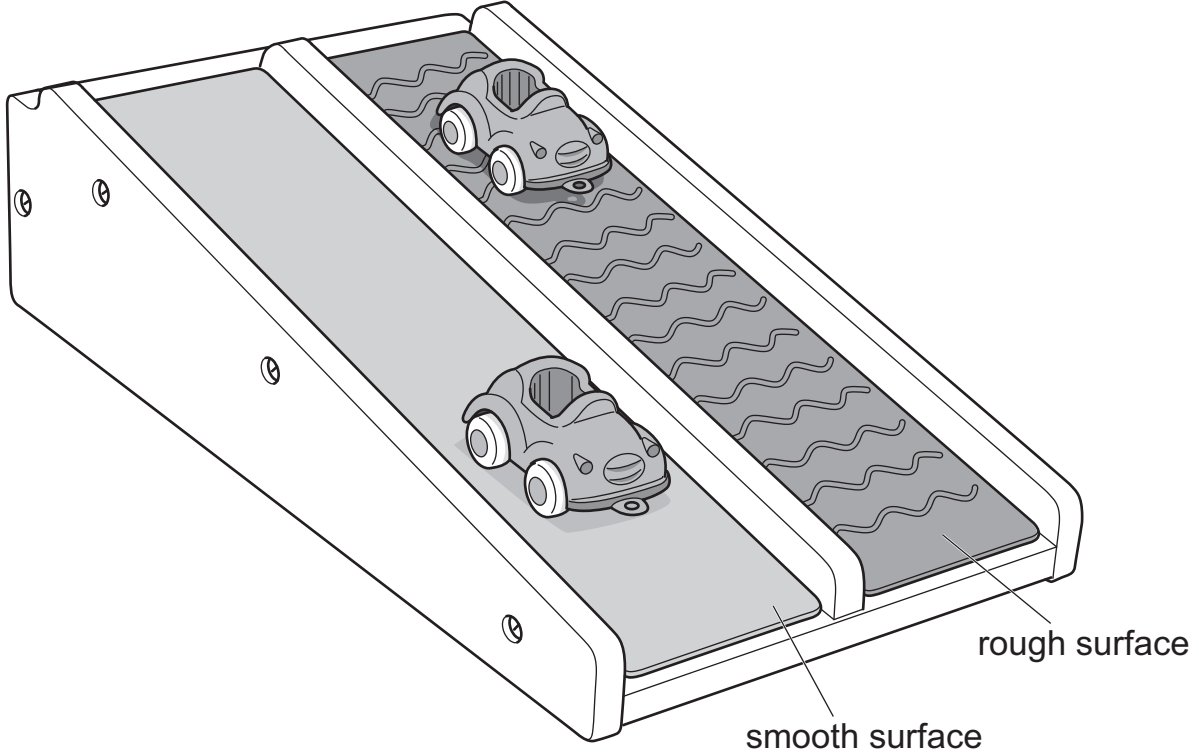
.....

[1]

9 Mike races toy cars down two different slopes.

The toy cars are the same size and shape.

Mike starts the toy cars from the top of the slope at the same time.



The toy car on the rough surface reaches the bottom of the slope last.

(a) Complete the sentences.

The toy car on the rough surface travels

This is because there is

[2]

(b) Explain why Mike uses toy cars that are the same size and shape.

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

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