



Cambridge Primary Progression Test

Question paper

Cambridge
Primary

35 minutes

Science Paper 2

Stage 4

Name

Additional materials: Ruler

READ THESE INSTRUCTIONS FIRST

Answer **all** questions in the spaces provided on the question paper.

You should show all your working on the question paper.

The number of marks is given in brackets [] at the end of each question or part question.

The total number of marks for this paper is 40.

For Teacher's Use	
Page	Mark
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
Total	

Invigilator's Sign

Date

Examiner's Sign

Date

1 There are three states of matter.

These states are called solid, liquid and gas.

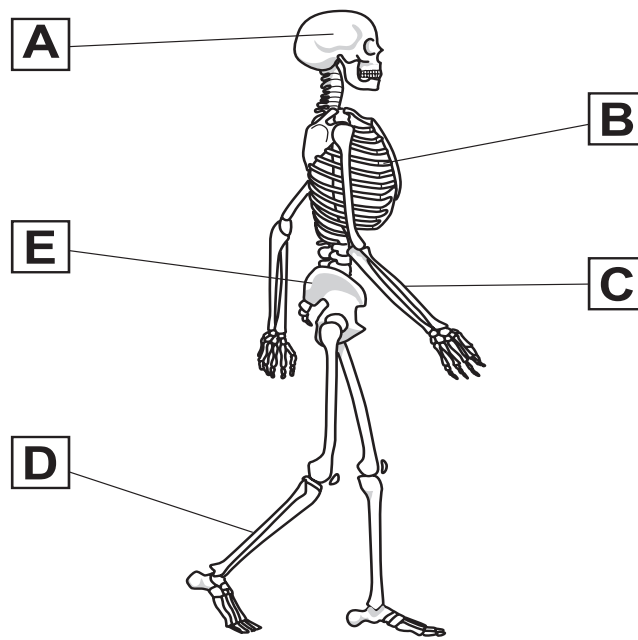
Matter has different properties.

Match each **state** to its correct **property**.

state	property
solid	fills container
liquid	fixed shape
gas	takes shape of container

[2]

2 Humans have skeletons.



(a) Which part protects the brain?

Circle the correct answer.

A B C D E

[1]

(b) Which part supports the backbone and rests on the lower limbs?

Circle the correct answer.

A B C D E

[1]

(c) Which parts grow as the human grows?

Circle the correct answer.

all of them

none of them

only A and B

only B and C

only C and D

[1]

- 3** Sanjay's school is building a music room next to the library.

The school wants to stop the sound from the music room disturbing the library.

They are going to cover the walls with a material.

The material must not let sound travel through it easily.

- (a)** What is the name of this type of material?

Circle the correct answer.

conductor hard insulator soft strong [1]

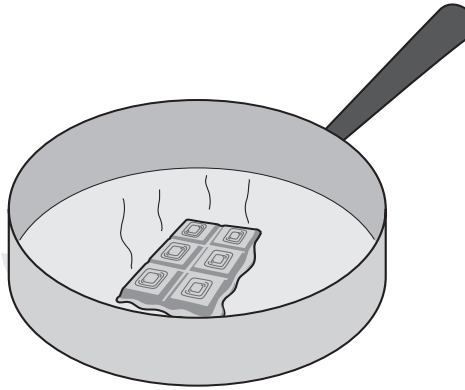
- (b)** Which material should they use?

Circle the correct answer.

cotton paint paper wood [1]

- 4 (a) Dimitri is investigating the states of matter.

He warms a chocolate bar in a cooking pot.



What happens to the chocolate bar?

..... [1]

- (b) Dimitri then puts the cooking pot into the refrigerator overnight.

Predict what will happen to the chocolate.

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

- 5 (a) Anastasia is investigating the height of the children in her class.

Name a piece of equipment she could use to measure the height of a child.

..... [1]

- (b) Anastasia uses the same measuring equipment each time.

Why does she do this?

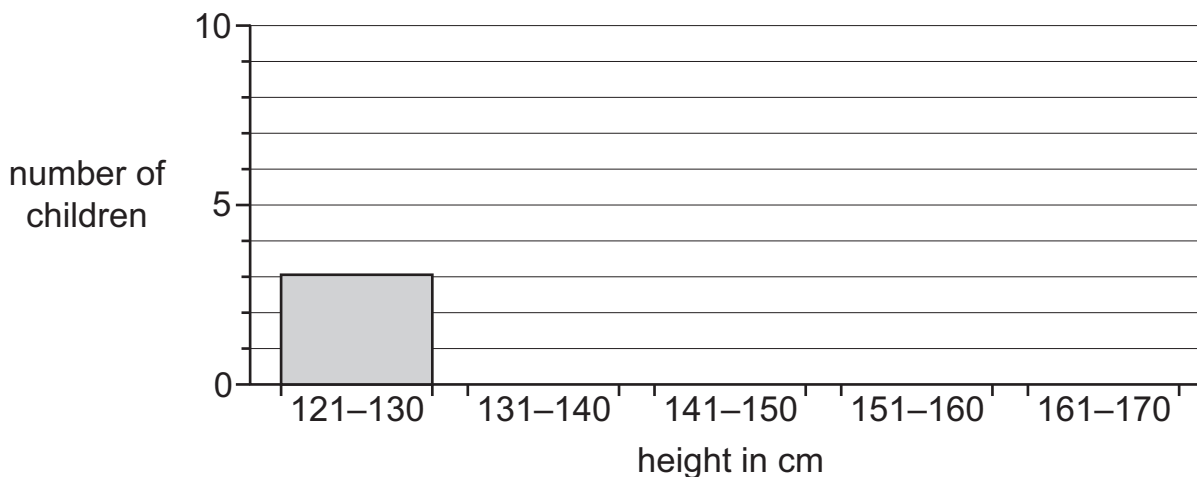
..... [1]

- (c) Here are Anastasia's results.

height in cm	number of children
121–130	3
131–140	7
141–150	10
151–160	5
161–170	2

Complete the bar chart using Anastasia's results.

One has been done for you.



[3]

6 There are many types of medicine.

Doctors give medicine to patients in different ways.

Match the **type of medicine** with the **way it enters the body**.

type of medicine

way it enters the body

cream

directly into the blood

inhaler

absorbed through the skin

tablet

swallowed and absorbed in stomach

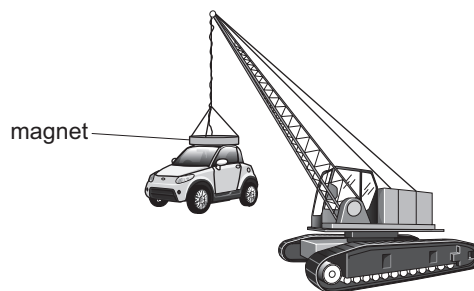
injection

inhaled into lungs

[3]

7 Cars can be recycled in scrap yards.

They are moved using a very strong magnet.



(a) Which metal must the car contain to be attracted to the magnet?

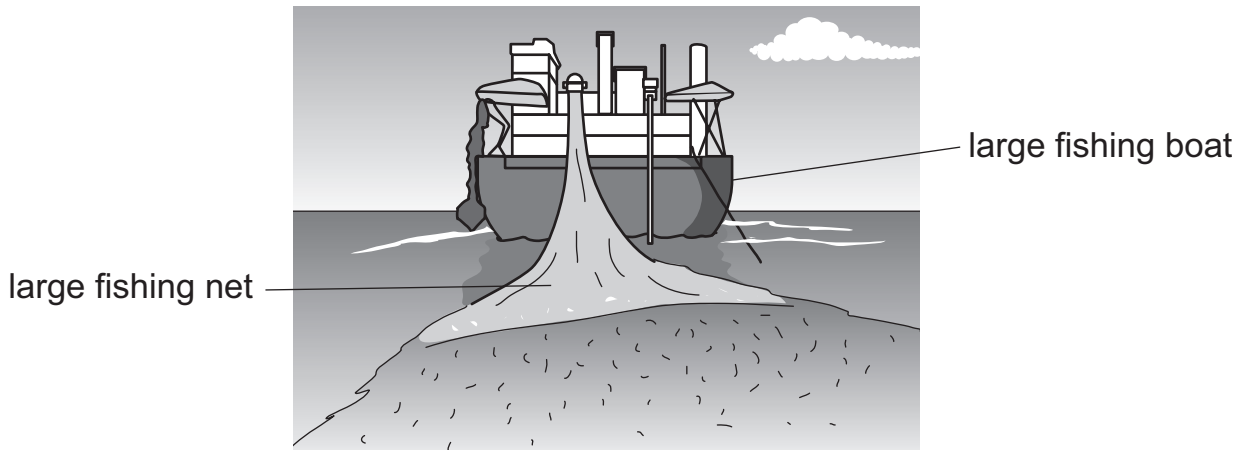
..... [1]

(b) Give **two** reasons why it is important to recycle cars.

.....

..... [2]

8 The picture shows a large fishing boat.



Overfishing means too many fish are taken from the sea.

Humans are trying to reduce overfishing.

(a) Which action will **not** help reduce overfishing?

Circle the correct answer.

have areas where boats are not allowed

only fish in the summer

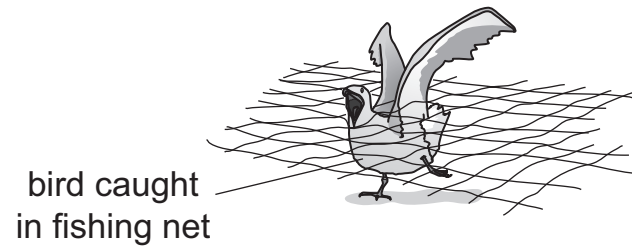
only fish in the winter

use nets with small holes

use smaller nets and smaller boats

[1]

(b) When humans use fishing nets birds can get caught in them.



Fishing boats have bells that make sounds.

Explain why bells are a good idea.

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

9 Oskar investigates what happens when ice-cubes are added to water.

In his first experiment Oskar

- measures out 25 cm^3 of water into a beaker
- measures the temperature of the water
- adds one ice-cube to the water and stirs the mixture for three minutes
- measures the temperature of the water after three minutes

Oskar repeats the experiment four more times using a different number of ice-cubes.

(a) Before the first experiment Oskar tells his teacher

“The more ice-cubes I put into the water the lower the temperature of the water.”

What do scientists call this sentence?

Circle the correct answer.

a conclusion

an experiment

a measurement

an observation

a prediction

[1]

(b) Here is the results table for his investigation.

Complete each missing temperature decrease in the results table.

number of ice-cubes	temperature of water before the experiment in °C	temperature of water after ice-cubes have been added in °C	temperature decrease in °C
1	25	23	2
2	25	21	4
3	25	19
4	25	15

[1]

(c) One of the sets of results is incorrect.

Which set?

number of ice-cubes

[1]

(d) Oskar always uses 25 cm³ of water and the same sized ice-cubes.

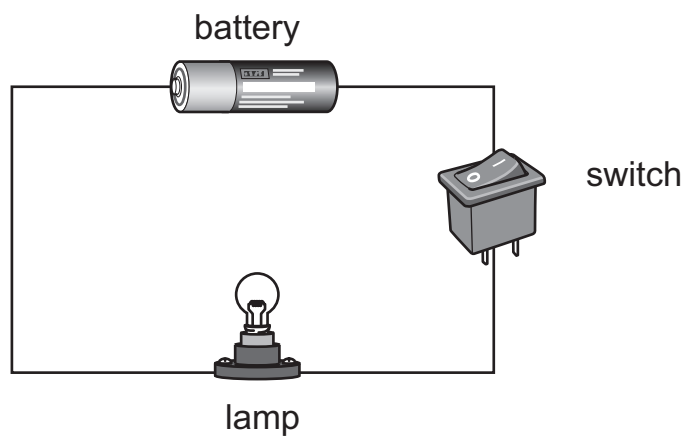
Explain why.

.....

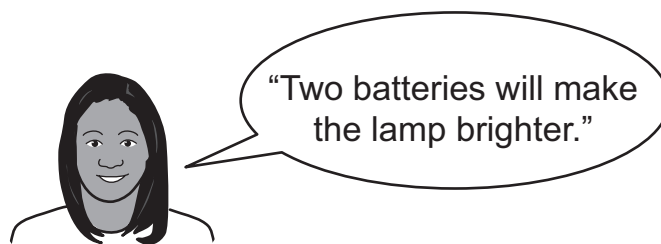
..... [1]

10 Razan is investigating electricity.

She makes this circuit.



Razan predicts that:



Describe how she can prove this.

test:

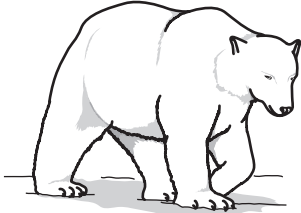
observation: [2]

11 Animals are adapted to the environments in which they live.

Match each **animal** to the correct **adaption**.

animal

adaptation



has sharp teeth to kill other animals



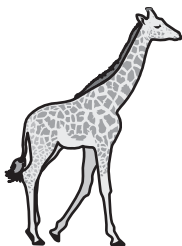
has long legs to reach leaves on tall trees



has thick fur to keep warm



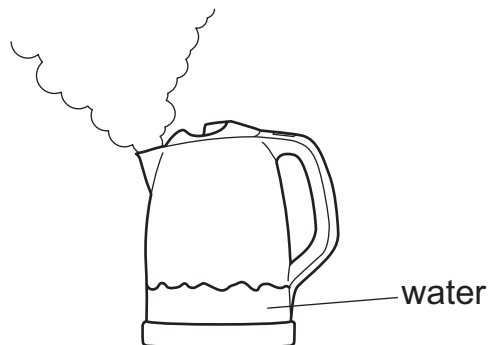
has fins to move in water



has wings to fly in the air

12 Pedro wants to make a cup of tea.

(a) He switches on the electric kettle containing cold water.

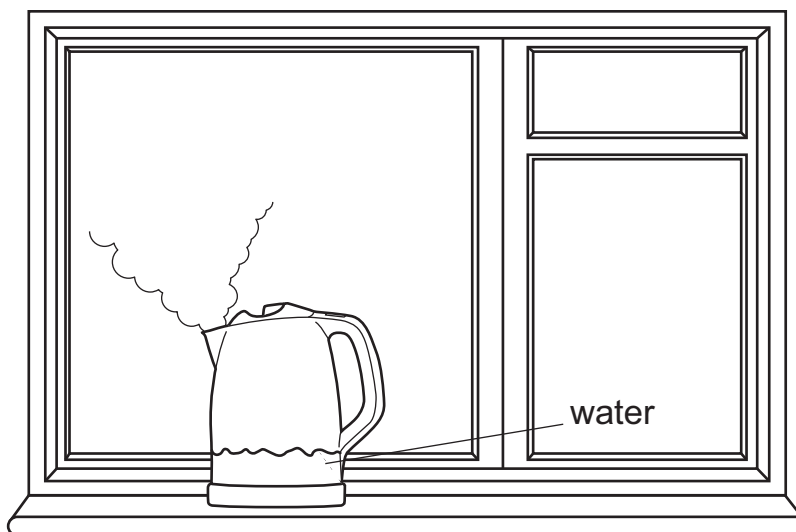


Complete the sentences.

When water is heated in the kettle some of it changes into

The name of this process is called [2]

(b) Pedro placed the kettle near a window.



When the reaches the cold window it turns back into a

The name of the this process is called [2]

13 This question is about sound.

(a) Tick (✓) each **statement** to show if it is **true** or if it is **false**.

The **statement** about wood has been done for you.

statement	true	false
sound can travel in air		
sound can travel in oil		
sound can travel in space		
sound can travel in water		
sound can travel in wood	✓	

[2]

(b) Complete the sentences.

Sound travels as

The loudness of sound is measured with a

[2]