

Cambridge Primary Checkpoint

CANDIDATE
NAME

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CENTRE
NUMBER

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CANDIDATE
NUMBER

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SCIENCE

0097/01

Paper 1

May 2026

35 minutes

You must answer on the question paper.

No additional materials are needed.

INSTRUCTIONS

- Answer **all** questions.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen. Do **not** use correction fluid or tape.
- Do **not** write on any bar codes.
- You should show all your working in the booklet.
- You may use a calculator.

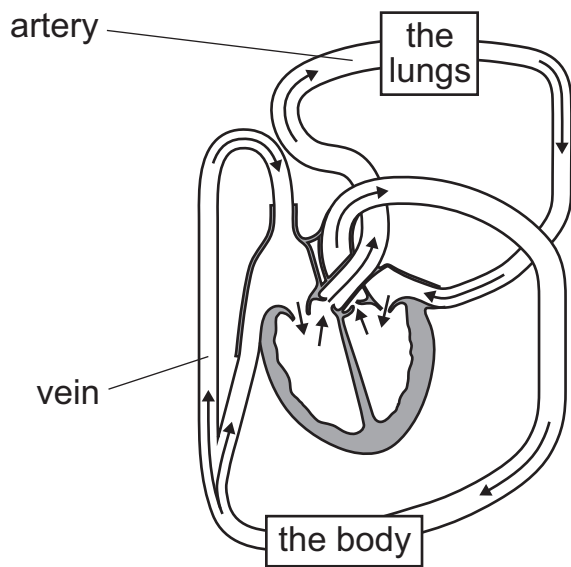
INFORMATION

- The total mark for this paper is 40.
- The number of marks for each question or part question is shown in brackets [].

This document has **16** pages.



- 1 The diagram shows part of an organ system in the human body.



- (a) Circle the correct name of this organ system.

circulatory

digestive

reproductive

respiratory

[1]

- (b) Two different types of blood vessel are labelled on the diagram.

Name the **other** type of blood vessel.

..... [1]

2 The table shows some properties of different substances.

substance	melting point in °C	boiling point in °C	compressible	has a fixed shape
A	−218	−183	yes	no
B	−101	−34	yes	no
C	0	100	no	no
D	−7	59	no	no
E	113	445	no	yes

(a) Identify **all** the substances in the table that are a gas at 20°C.

..... [1]

(b) Write down **one other** property of a gas **not** in the table.

..... [1]

(c) Identify the substance with the highest melting point.

..... [1]

(d) Calculate the difference between the melting point and boiling point of substance **D**.

..... °C [2]

(e) Complete the sentence.

At its boiling point, a substance changes state from a
to a

[1]

3 This question is about mass and weight.

(a) Tick (✓) **two** correct sentences.

Mass is the amount of matter measured in kg.

☐

Mass is the amount of matter measured in N.

☐

Mass is the force of gravity measured in kg.

☐

Weight is the amount of matter measured in N.

☐

Weight is a force measured in kg.

☐

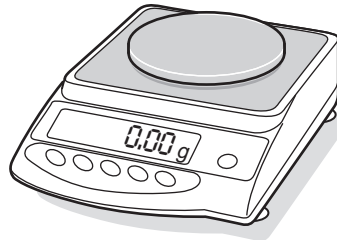
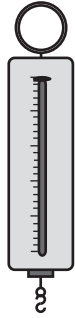
Weight is a force measured in N.

☐

[2]

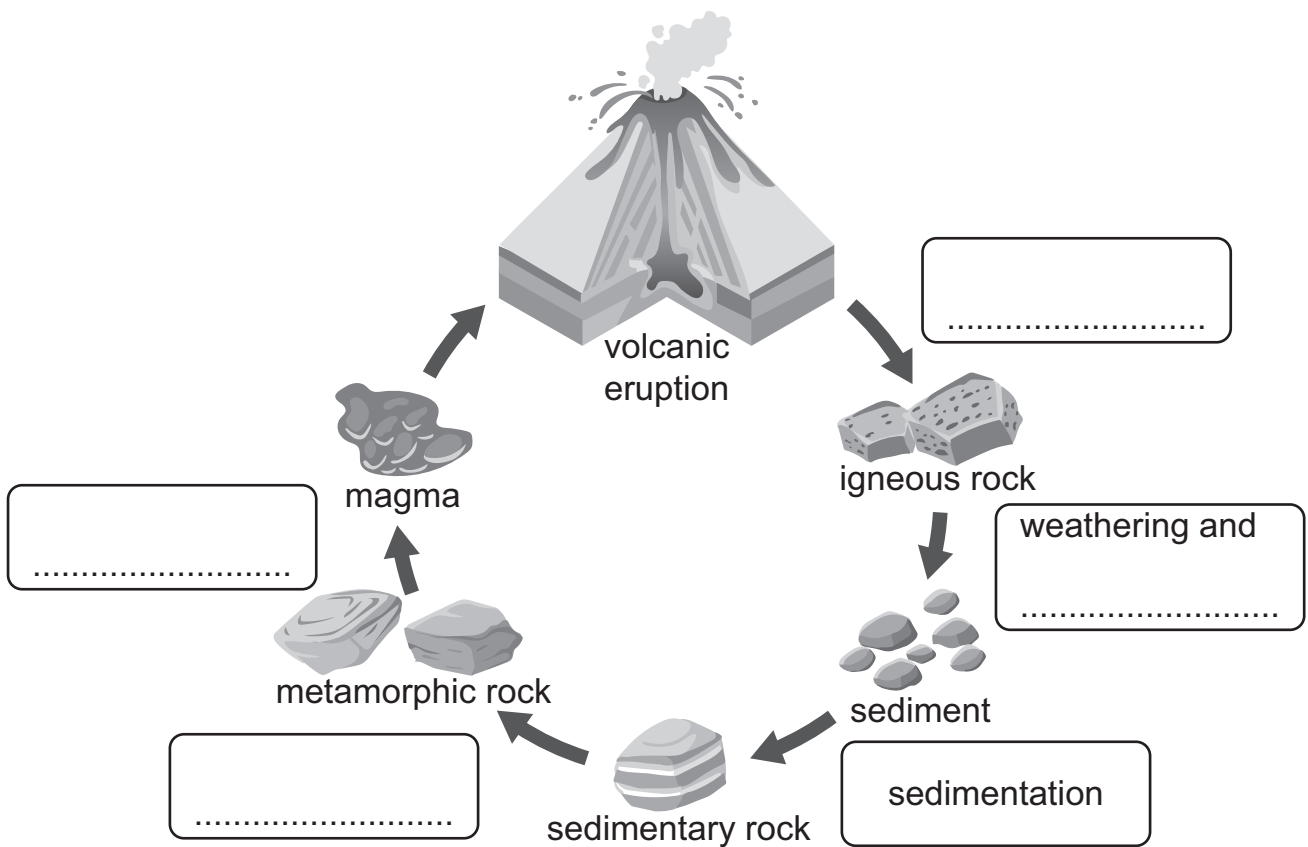
(b) Mike measures the weight of an object.

Circle the equipment he uses to measure weight.



[1]

4 The diagram shows part of the rock cycle.



Complete the labels on the diagram.

Choose words from the list.

erosion

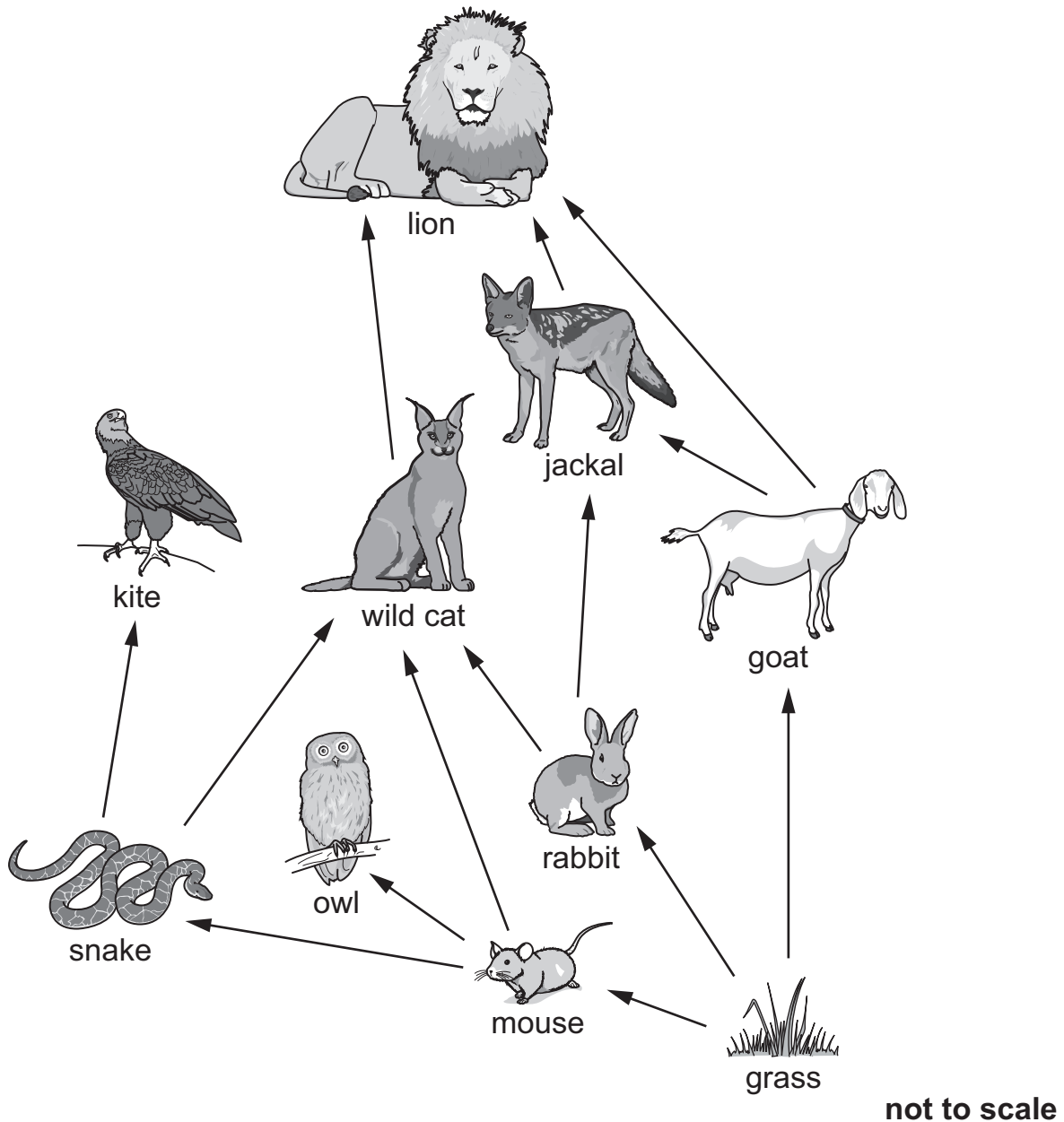
melting

metamorphism

solidification

[2]

5 The diagram shows a food web.



(a) How many carnivores are in this food web?

..... [1]

(b) Write down one food chain from this food web that contains **five** living things.

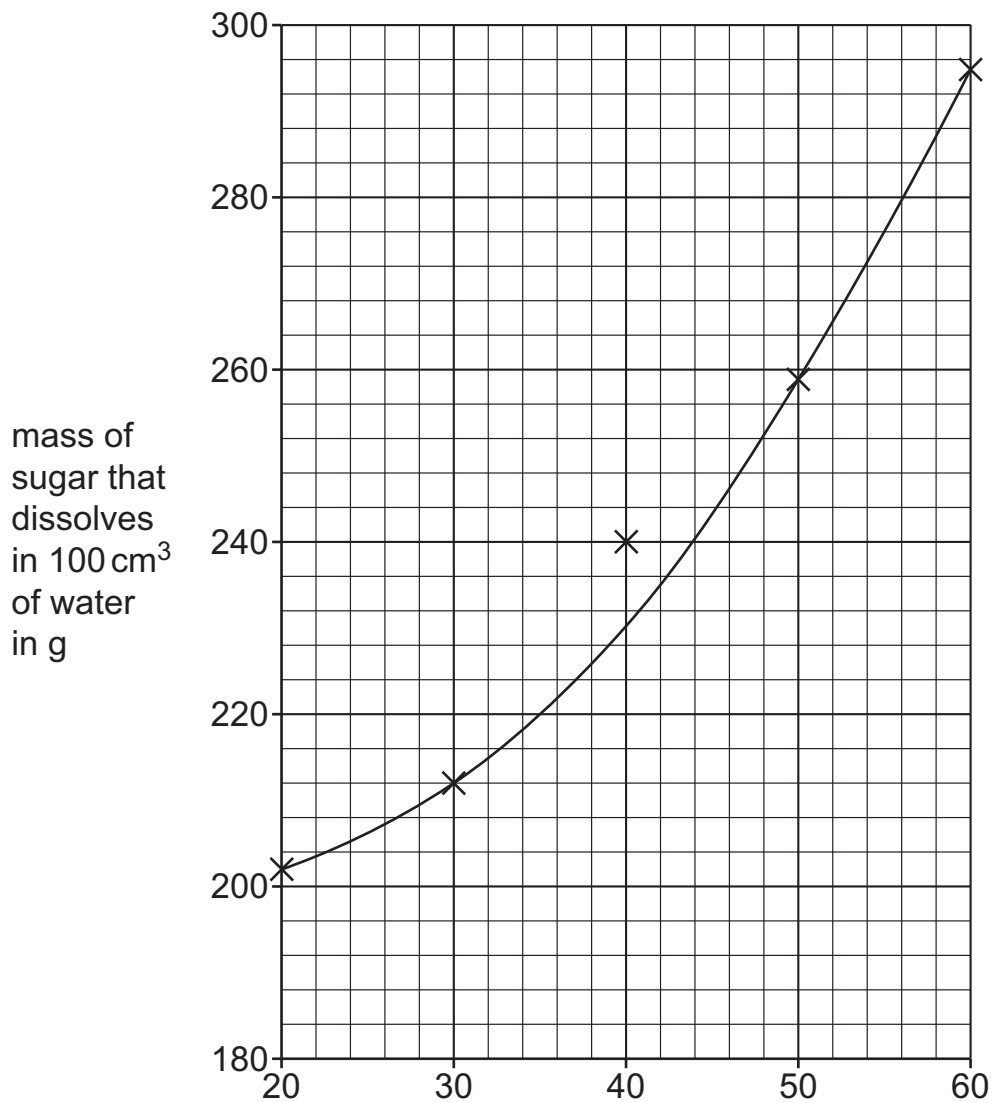
..... → → → → [1]

(c) What is the energy source for this food chain?

..... [1]

- 6 Priya investigates how the temperature of water affects the mass of sugar that dissolves in 100 cm^3 of water.

Look at the graph of her results.



.....
in

- (a) Priya has only labelled one axis on the graph.

Complete the label for the **other** axis on the graph.

[1]

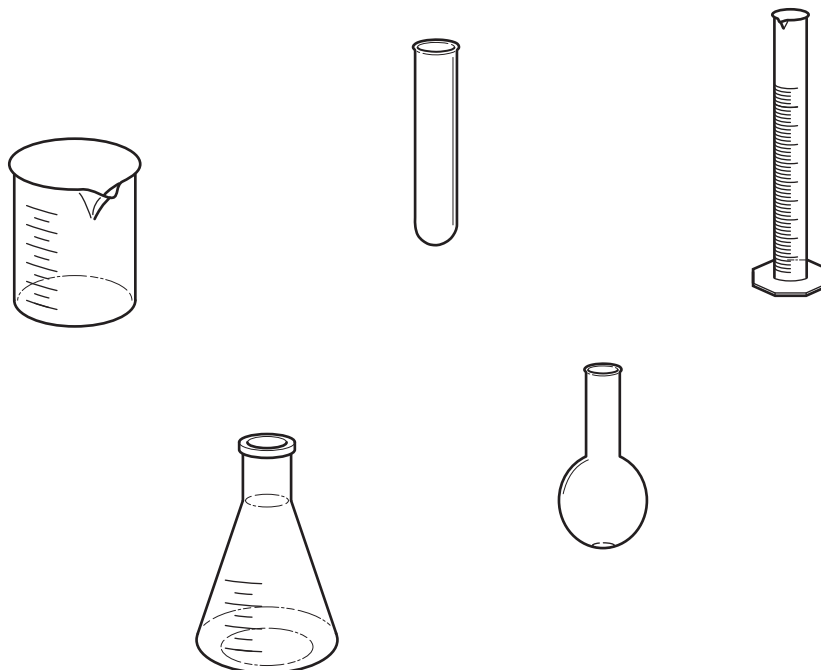
- (b) Priya has an anomalous result.

Use the graph to predict the correct mass of sugar for this anomalous result.

..... g [1]

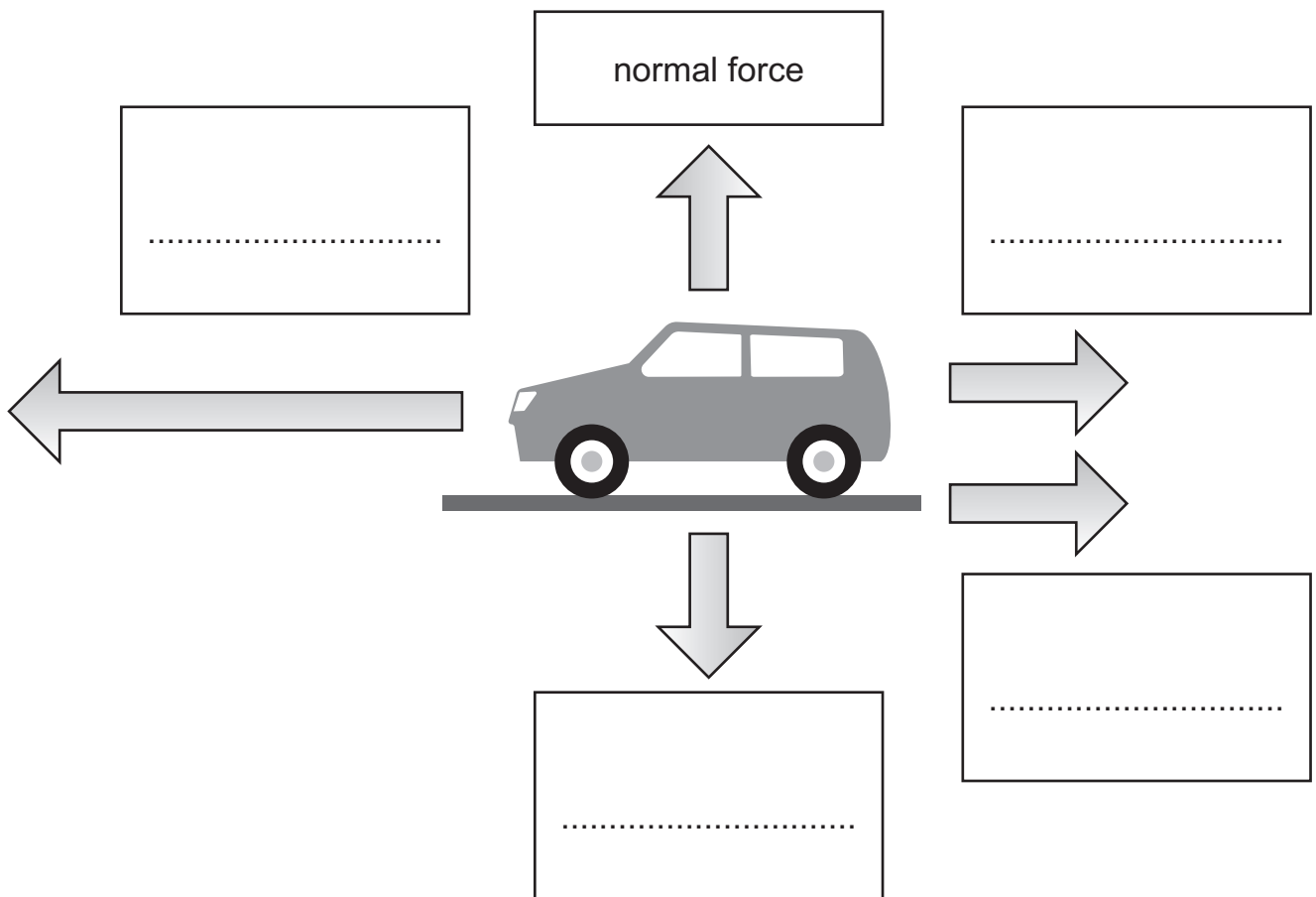
(c) The diagram shows some different equipment.

Circle the equipment Priya uses to accurately measure 100 cm^3 of water.



[1]

7 Look at the force diagram for a moving car.



Complete the labels on the force diagram.

Choose from this list:

air resistance

applied force

friction

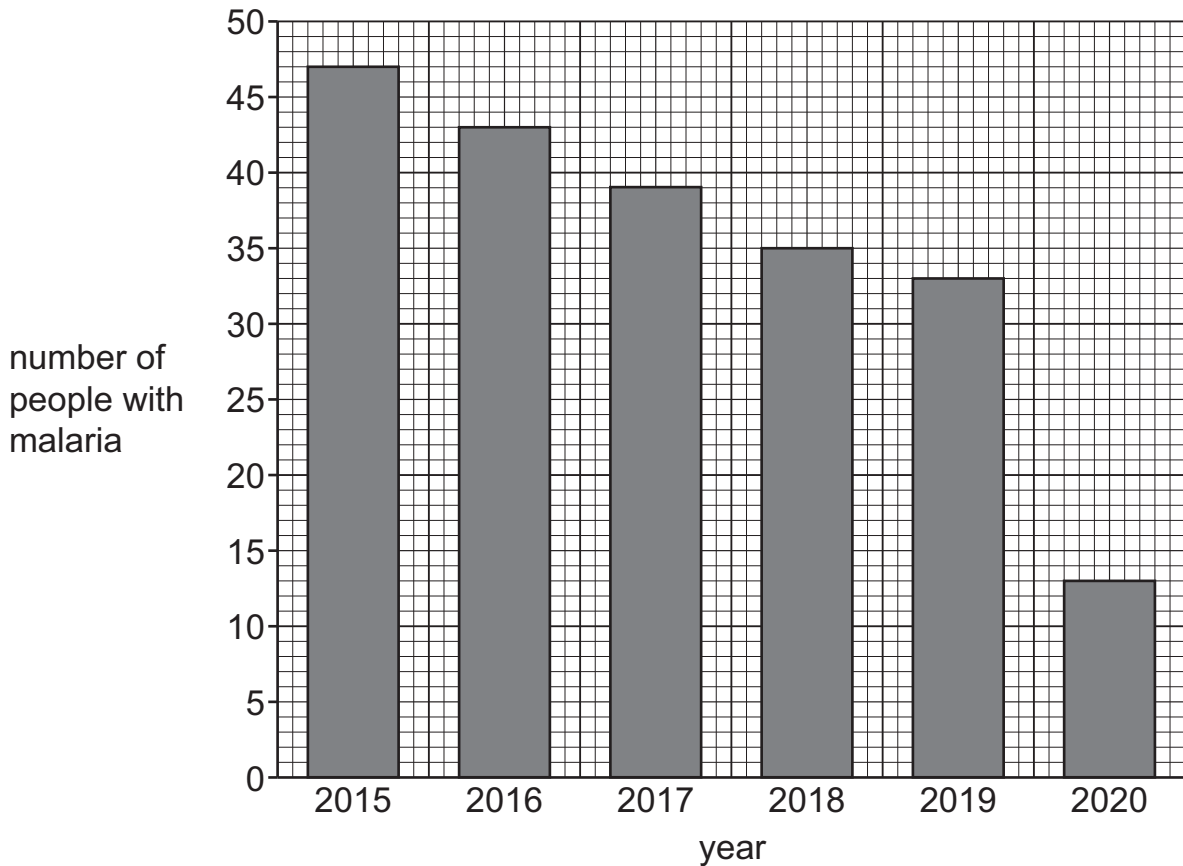
upthrust

weight

[3]

- 8 Malaria is a disease transmitted when people are bitten by insects.

The bar chart shows the number of people with malaria in one country.



- (a) Describe the pattern that the bar chart shows.

..... [1]

- (b) How many people had malaria in 2018?

..... [1]

- (c) Describe **two** ways to avoid getting malaria.

1 [2]

2

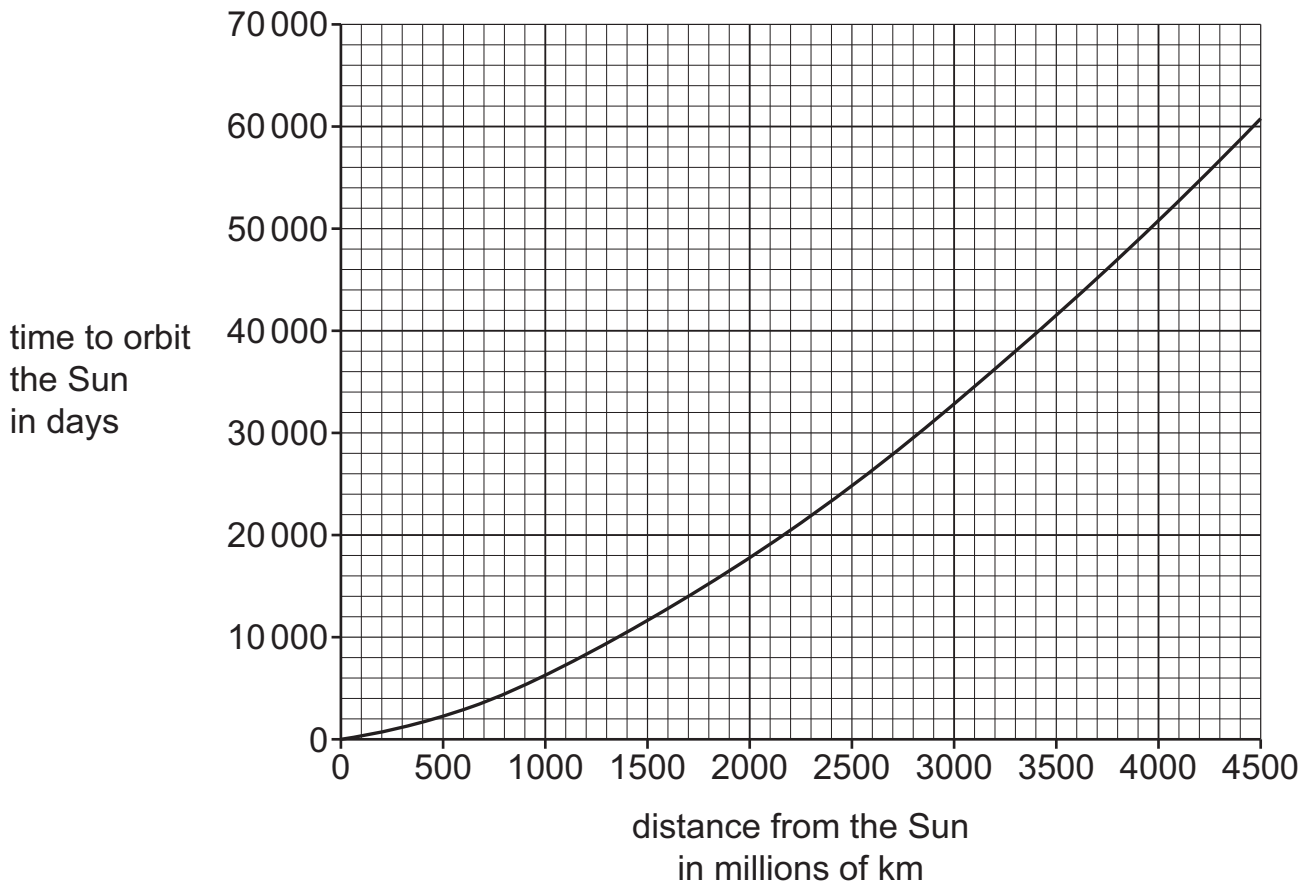
- 9 The table shows how far away the planets in our Solar System are from the Sun.

planet	distance from the Sun in millions of km
.....	60
.....	110
.....	150
.....	230
.....	780
.....	1400
Uranus	2900
Neptune	4500

(a) Complete the table by writing in the names of the planets.

[2]

- (b) The graph shows how the time to orbit the Sun changes with distance from the Sun.



How long does it take for Uranus to orbit the Sun?

Use the table and the graph to help you.

..... days [1]

10 Complete this sentence about all chemical reactions.

Chemical reactions happen when substances called

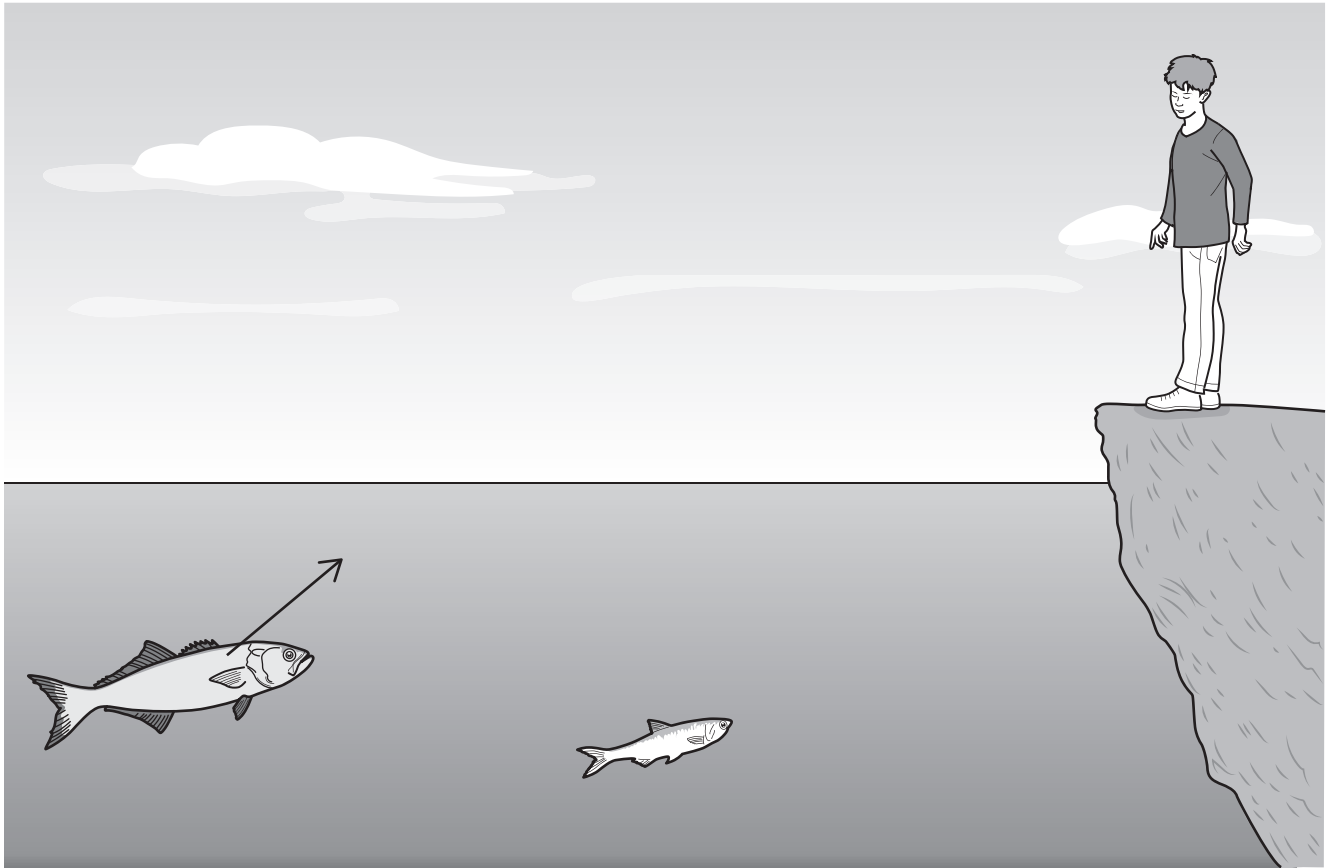
interact to form new substances called

[2]

11 Yuri is watching some fish in the river.

(a) The small fish sees the larger fish behind it.

Complete the path of the ray of light from the large fish to the eye of the small fish.



[1]

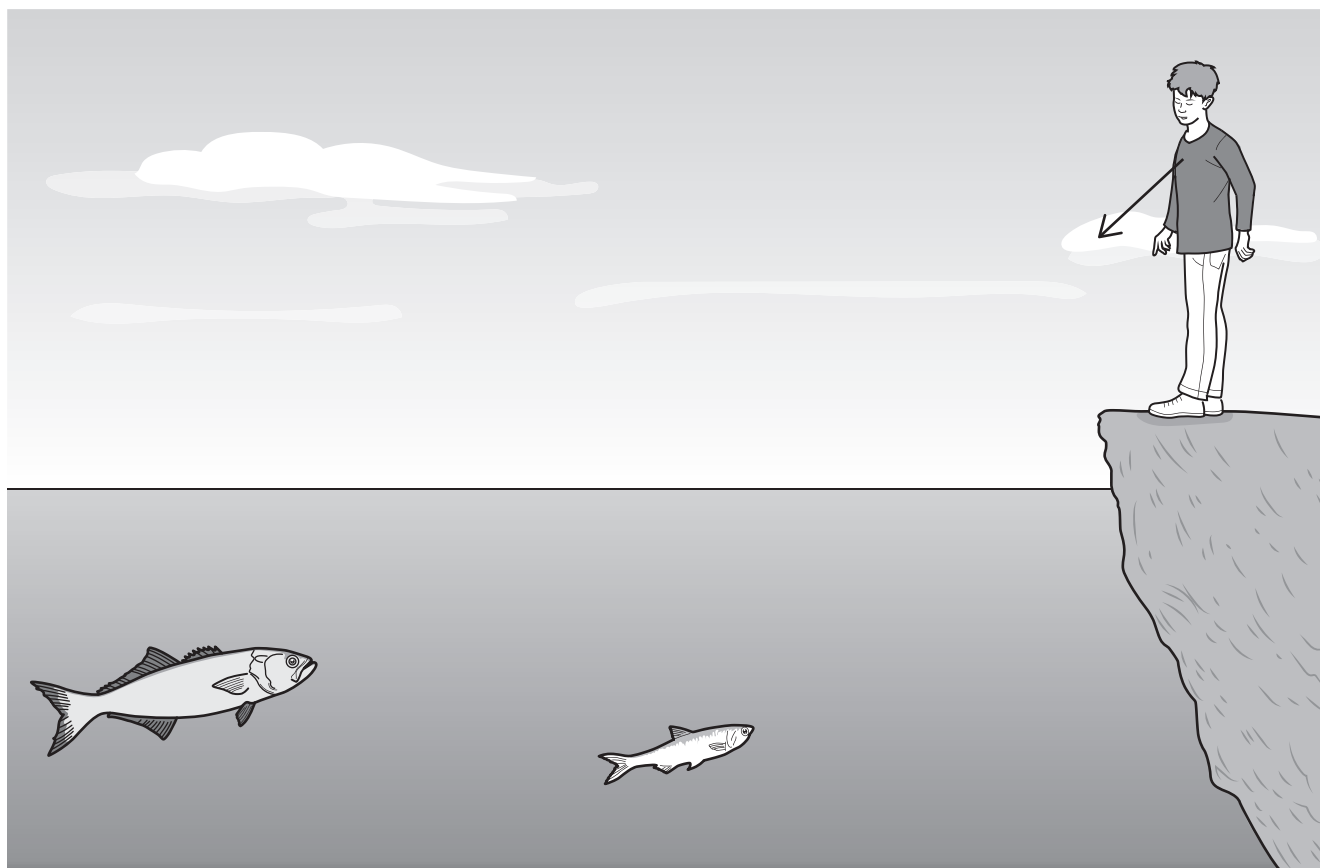
(b) Complete the sentence to explain how the small fish sees the large fish.

The small fish sees the large fish because light is at the surface of the water.

[1]

(c) The small fish sees Yuri.

Complete the path of the ray of light from Yuri to the eye of the small fish.



[2]

12 Aiko is reading from her science textbook.

This is what she reads.

1. The animal dies.
2. Soft parts of the animal's body start to rot away.
3. The bones and teeth are buried by sand.
4. Many layers of sand build up. This puts a lot of pressure onto the layers below, which turn into rock.
5. Water seeps into the bones and teeth, turning them to stone.

(a) What does the animal become after this process?

..... [1]

(b) Which type of rock is formed from the sand?

..... [1]

(c) Once the buried bones and teeth have turned to stone, they sometimes appear on the surface.

What process causes them to appear on the surface?

..... [1]

13 Many physical changes take place in the human body during puberty.

Write down **two** physical changes that take place in **males** during puberty.

1

2

[2]

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