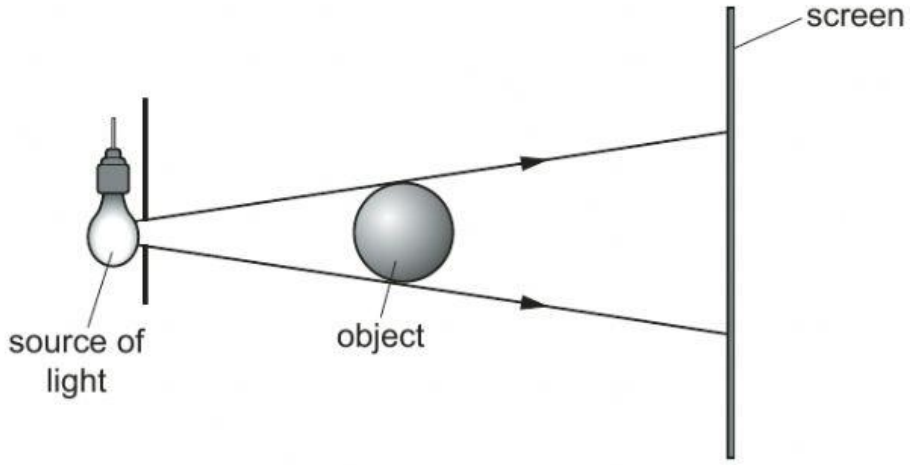
7 Oliver draws a diagram to show how shadows are made.



(a) Oliver has **not** labelled the position of the shadow.

Label the position of the shadow on the diagram. [1]

(b) Explain what makes the shadow.

.....

..... [1]

(c) Describe what Oliver does to make the shadow bigger.

.....

..... [1]

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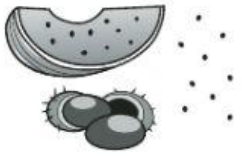
LIVEWORKSHEETS

8 The pictures show different stages in the life cycle of plants.

The pictures are **not** in the correct order.

A insect picks up pollen



B plant makes seeds

C insect carries pollen

D flowers grow

E new plant grows

F animal disperses seeds

G insect pollinates flowers

(a) Which stage comes next **after** stage **C** (insect carries pollen)?

Circle the correct answer.

A **B** **D** **E** **G**

[1]

(b) Which stage comes next **after** stage **F** (animal disperses seeds)?

Circle the correct answer.

A **B** **D** **E** **G**

[1]

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9 Here is a list of sentences.

Decide if each sentence is true or false.

Tick (✓) the correct box.

sentence	true	false
Burning diesel fuel in a truck is irreversible.	☐	☐
Condensation of steam is reversible.	☐	☐
Sugar dissolves in water to form a solution.	☐	☐
Sand is soluble in water.	☐	☐
Evaporation separates a mixture of sugar and sand.	☐	☐
Dissolving a solid in water is reversible.	☐	☐
A magnet separates a mixture of gold and silver.	☐	☐
Rusting of iron is reversible.	☐	☐

[4]

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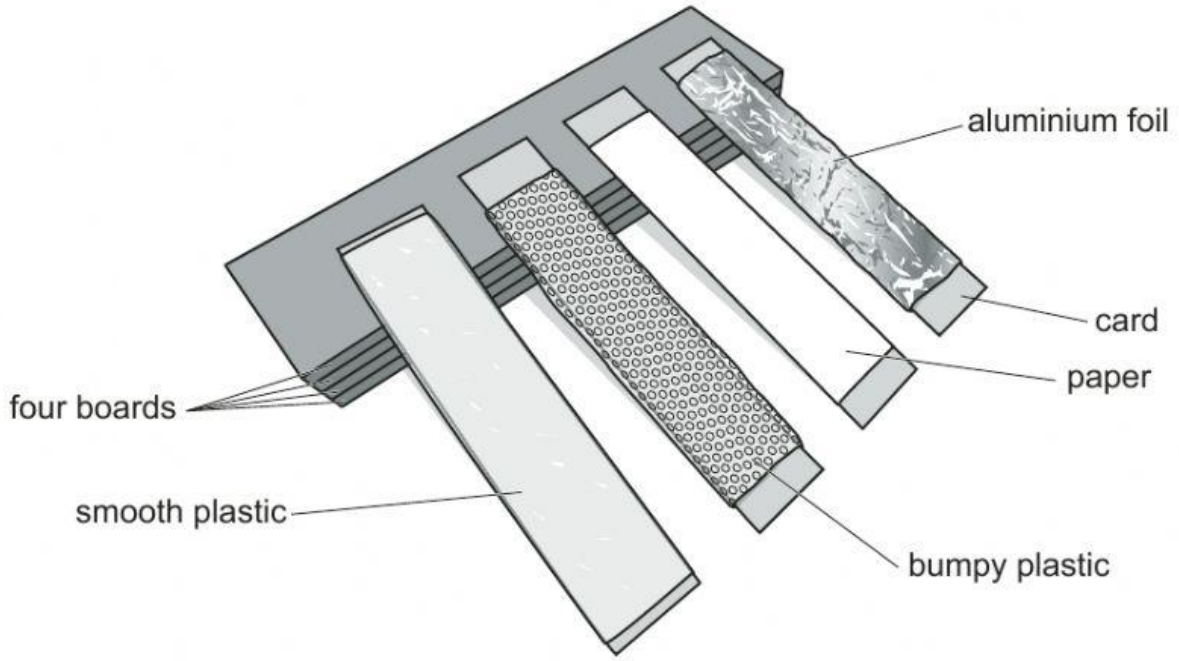
[Turn over

LIVEWORKSHEETS

10 Blessy investigates friction.

She uses four different materials.



Blessy

- puts each material on some card
- puts the end of each card onto four boards
- rolls a ball down each material.

(a) Complete the sentences.

Blessy uses the boards to .....

.....

Blessy always uses four boards to .....

.....

[2]

LIVEWORKSHEETS

(b) Complete the prediction.

Choose from

aluminium foil **bumpy plastic** **paper** **smooth plastic**

least friction **most friction** **no friction**

The ball will take the longest time to reach the end of the .....

.....

This is because this material has .....

[1]

(c) Blessy wants to make the investigation more reliable.

Write down **one** thing she does to make the investigation more reliable.

..... [1]

LIVEWORKSHEETS