

(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 30cm.

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 .....

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

Complete the sentences by writing down the state of matter.

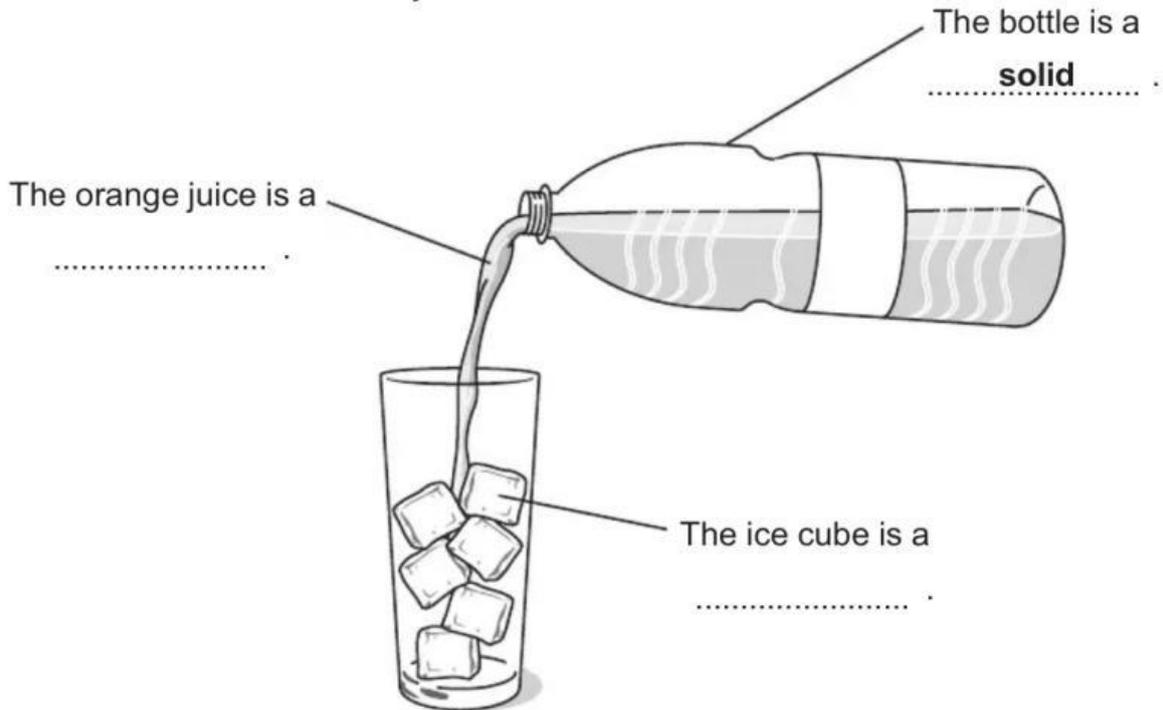
Choose from the list.

**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.

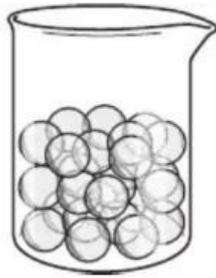
**gas**

**liquid**

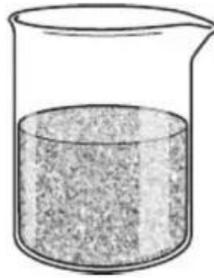
**solid**



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]

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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 .....