

Read the definitions and write the words. Make a word with the letters in the orange boxes.

xylem

raw sap

phloem

glucose

chlorophyll

- a. Tiny holes found on the underside of a leaf. 

s	t	o	m	a	t	a
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- b. Plant cells that carry glucose through the stem to all parts of the plants. 

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- c. The food a plant produces through photosynthesis. 

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- d. The mixture of water and minerals. 

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- e. The green substance which absorbs sunlight. 

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- f. Plant cells which transport raw sap through the stem to the leaves. 

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The mystery word is...

			t			n	t		s	i	
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Complete the diagram of photosynthesis.

xylem

raw sap

phloem

glucose

chlorophyll

leaves

carbon dioxide

oxygen

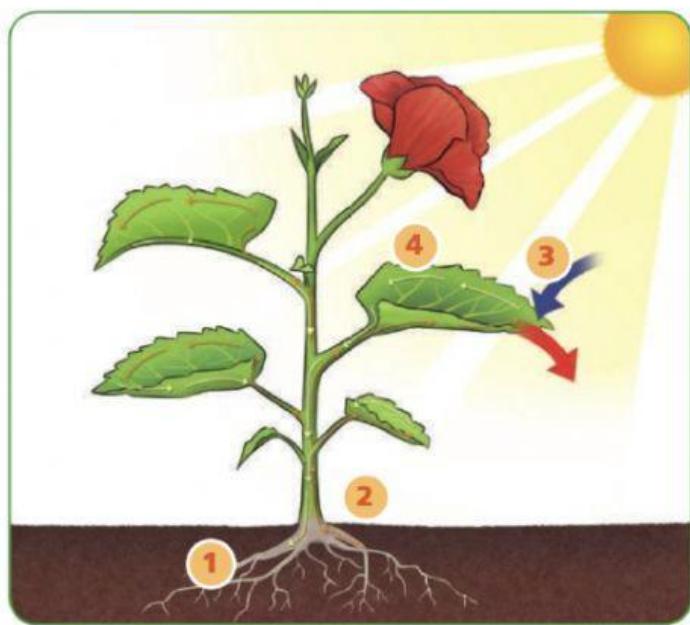
stomata

solar

1 The (a) roots absorb water and minerals from the soil. This mixture is called (b) \_\_\_\_\_.

2 (c) \_\_\_\_\_ cells transport raw sap through the stem to the (d) \_\_\_\_\_.

3 The leaves absorb (e) \_\_\_\_\_ from the air through their (f) \_\_\_\_\_. (g) \_\_\_\_\_ in the leaves absorbs (h) \_\_\_\_\_ energy from the Sun. This energy helps to transform the raw sap and carbon dioxide into (i) \_\_\_\_\_ and (j) \_\_\_\_\_.



4 The (k) \_\_\_\_\_ cells carry the glucose through the stem to all parts of the plant.

Look at the diagrams. Tick (✓) the correct option and complete the sentences.

Oxygen ( $O_2$ ) IN

OUT Carbon dioxide ( $CO_2$ )



a.  photosynthesis  respiration

b. It happens during \_\_\_\_\_.

Carbon dioxide ( $CO_2$ ) IN

OUT Oxygen ( $O_2$ )



c.  photosynthesis  respiration

d. It happens during \_\_\_\_\_.

Match to make true sentences about the importance of photosynthesis.

Photosynthesis provides us

carbon dioxide, which is harmful to most living things.

Photosynthesis consumes

with oxygen to breathe. This is why plants are the 'lungs' of the Earth.