

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

b. Plants cells that carry glucose through the stem to all parts of the plants.

c. The food a plant produces through photosynthesis.

d. The mixture of water and minerals.

e. The green substance which absorbs sunlight.

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

The mystery word is...

Complete the diagram of photosynthesis.

xylem

raw sap

phloem

glucose

chlorophyll

leaves

carbon dioxide

oxygen

stomata

solar

1

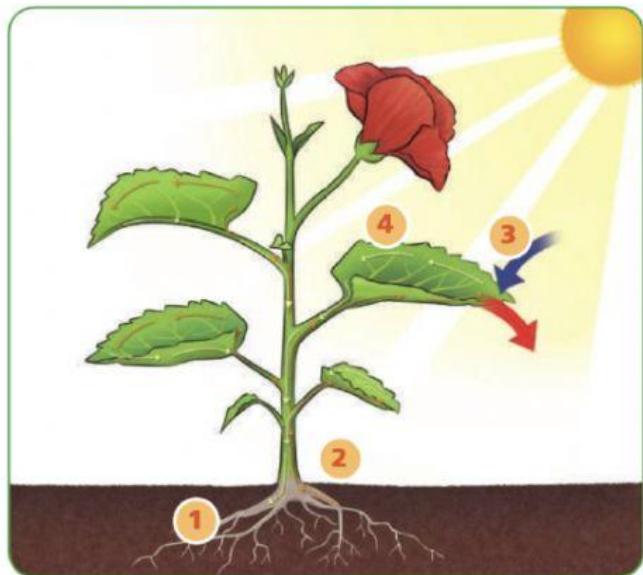
The (a) roots absorb water and minerals from the soil. This mixture is called (b) _____.

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 (O₂)


IN



OUT

Carbon dioxide (CO₂)






a. ☐ photosynthesis ☐ respiration

b. It happens during _____.


Carbon dioxide (CO₂)


IN



OUT

Oxygen (O₂)





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.