

Name:

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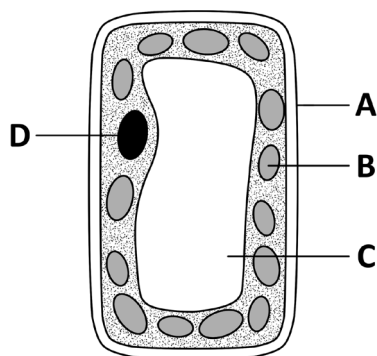
State the **word and balanced symbol equations** for photosynthesis.

carbon dioxide + water → glucose + oxygen



The diagram shows a cell from a leaf.

Which labelled structure produces oxygen?

**B**

How do carbon dioxide and oxygen move in and out of a mesophyll cell?

Circle the letter of the correct response.

- A** Active transport
- B** Diffusion
- C** Respiration
- D** Transpiration

The table shows the results of food tests carried out on a fruit.

Test	Benedict's	Biuret	Ethanol	Iodine
Result	Positive	Positive	Negative	Negative

What biomolecules did the fruit contain?

Glucose/reducing sugars and protein.

Which characteristic do all living organisms show?

- A** Breathing
- B** Excretion
- C** Photosynthesis
- D** Tropism

A rat has the scientific name *Rattus rattus*.

What do the parts of this name refer to?

- A** Genus and species
- B** Kingdom and genus
- C** Kingdom and species
- D** Variety and genus

Name the process that moves materials through the digestive system.

Peristalsis

State the function of a gene.

A gene is a short section of DNA that codes for the production of a particular protein.

Name the substance that makes up the cell walls of fungal cells.

Chitin