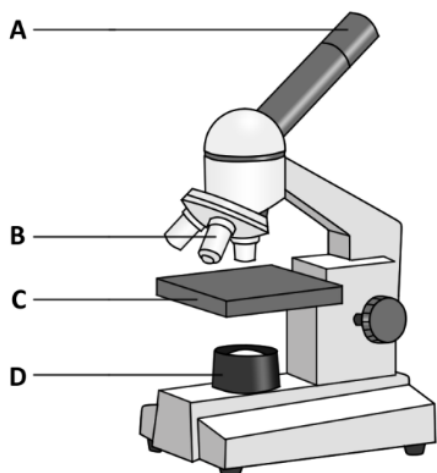


Name:

Class:



The figure below shows a light microscope. Identify the parts labelled A to D.

A = **eyepiece.**B = **objective lens.**C = **stage.**D = **light source.** **Accept light.**

What is the function of a chloroplast in a plant cell?

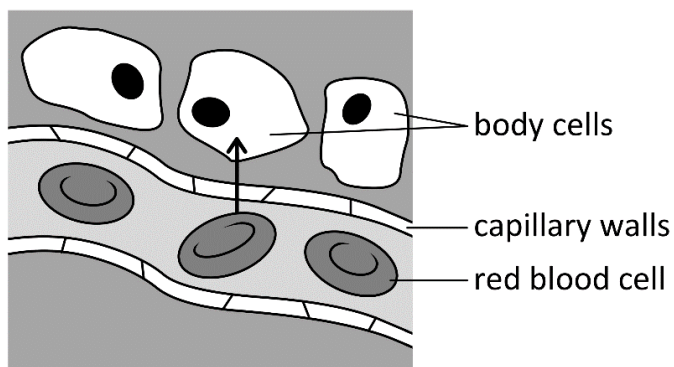
They are the site of photosynthesis.

State **two** structures that would be found in a plant cell but not in an animal cell.

Any two of the following:

Chloroplast, cell wall, permanent vacuole.

The figure below shows a capillary inside some tissue of the skin.



i. Which gas is moving from the red blood cell to the tissue?

Oxygen

ii. Describe how this gas is moving from the red blood cell to the tissue.

Accept an answer that correctly describes diffusion.

Diffusion is the movement of a substance from an area of higher concentration to an area of lower concentration.

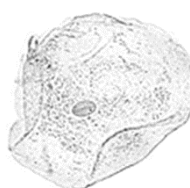
A sample of food contains starch.

Describe a test to show the sample contains starch.

Test: add a few drops of **iodine solution** to the sample.

Positive result: if starch is present a **blue-black colour** will be seen.

The figure below shows an animal cell viewed using a microscope.



The cell contains a nucleus. What is the function of the nucleus?

Contains the DNA and controls the cell's activities.