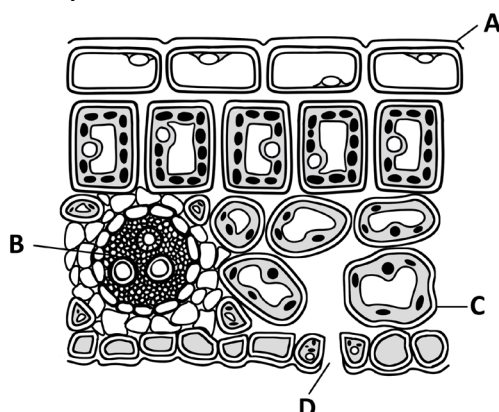


Name:

Class:



The diagram shows a cross-section of a leaf as seen under a microscope.
Identify the structures labelled below.

A = **Waxy/ wax cuticle.**B = **Vascular tissue/ bundle/vein.**C = **Spongy mesophyll**D = **Stoma. Accept Stomata.**

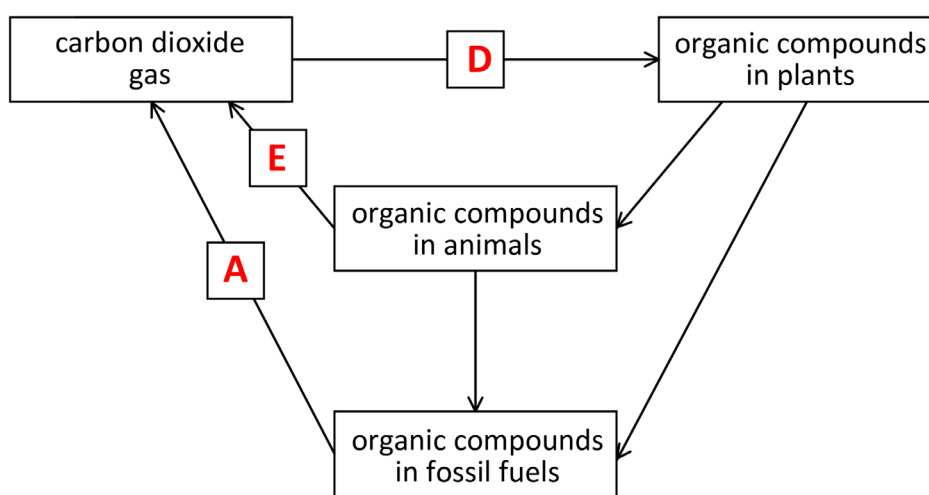
State the name given to bacteria which remove nitrogen from the soil.

Denitrifying bacteria

State the name given to bacteria which fix nitrogen from the atmosphere.

Nitrogen fixing bacteria

The diagram shows some of the processes involved in the carbon cycle.



Look at the following processes:

A Combustion**B** Excretion**C** Feeding**D** Photosynthesis**E** Respiration

Write the **correct three letters**, A, B, C, D or E, in the correct boxes to complete the diagram.

Water can move across membranes by osmosis. Explain what is meant by osmosis and state what structure is needed in the membrane for it to take place.

Explanation: is the movement of water molecules from an area of high water concentration to an area of low water concentration through a partially permeable membrane.

Structure: partially permeable membrane. **Accept:** channel proteins.