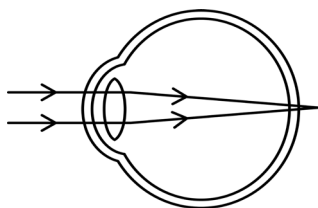


Name:

Class:



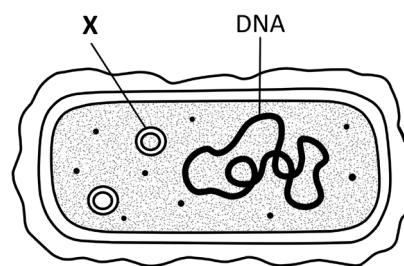
Look at the diagram showing an eye defect.



What is the defect and which lens could be used to correct it?

Defect: long sight or hyperopia**Lens:** convex lens

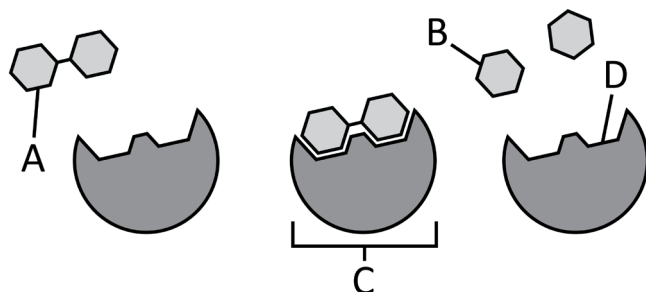
The diagram shows the structure of a bacterial cell.



What is structure X?

A plasmid

Look at the model of enzyme activity.



Identify the structures labelled A, B, C & D.

A = Substrate**B = Product****C = Enzyme substrate complex****D = Active site**

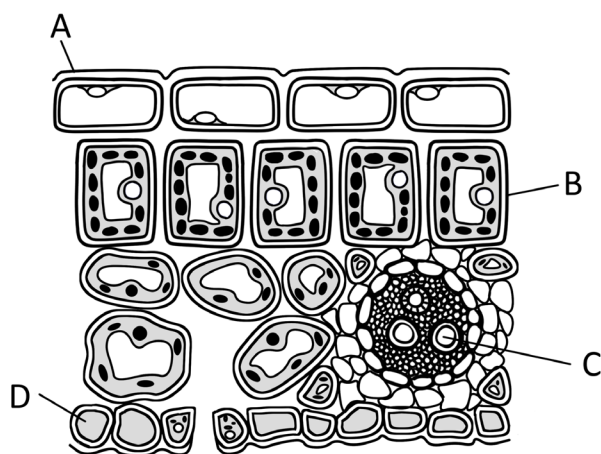
What is an allele?

A single version (or form) of a gene.

What is a gene?

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

The diagram shows a cross-section of a leaf as seen under a microscope.



Identify the labelled structures.

A = Waxy cuticle**B = Palisade cell****C = Vein or vascular bundle****D = Lower epidermis**

In genetic modification enzymes are used to join sections of DNA. Name these enzymes.

DNA ligase