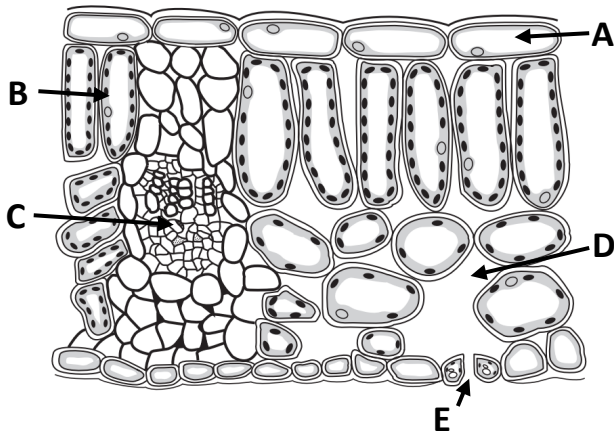


Name:

Class:



The figure below shows a cross section through a leaf.



i. Identify the following structures.

A = **Upper epidermis**

B = **Palisade mesophyll layer/ palisade cell.**

C = **Vascular tissue/ vein.**

D = **Air space**

E = **Stoma.** Do not accept stomata.

ii. State the function of phloem tissue.

Phloem tissue transports sucrose from source to sink via translocation.

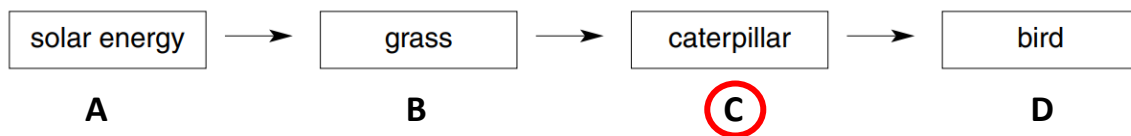
What is a gene?

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

What is an allele?

An allele is a different version of a gene.

The diagram shows another simple food chain. Which is the primary consumer?



Describe how malaria is transmitted.

It is transmitted by a vector, which is an infected mosquito.

Accept: by the bite of a female anopheles mosquito.

Fungal cells have walls made of **chitin**.

Bacterial cells have walls made of **peptidoglycan**.

The diagram shows a simple reflex arc. Which labelled part is the sensory neurone?

