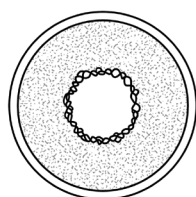
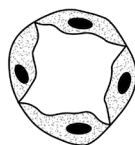
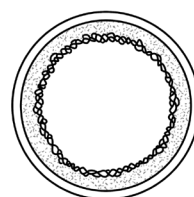


Name:

Class:



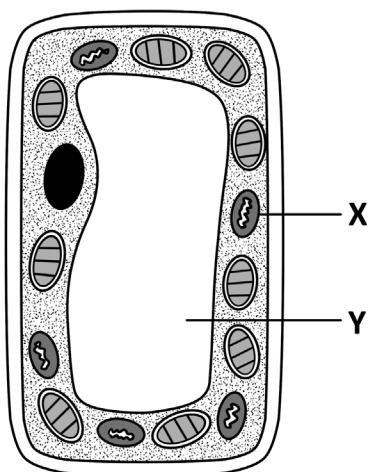
The diagram shows cross-sections through three types of blood vessel, not drawn to the same scale.

**X****Y****Z**

Which section is from a vein and which is from a capillary?

Z is a vein**Y is a capillary**

The diagram shows the detailed structure of a plant cell.



What is organelle X?

A mitochondrion

Active transport is one method of moving substances through a membrane. Describe active transport.

The movement of a substance from an area of low concentration to an area of high concentration moving against its concentration gradient using energy.

Describe a test to show that a sample of food contains glucose.

Test: Add a few drops of Benedict's solution to the sample. Heat the sample.

Result: If there is a colour change glucose is present. Accept brick red or red.

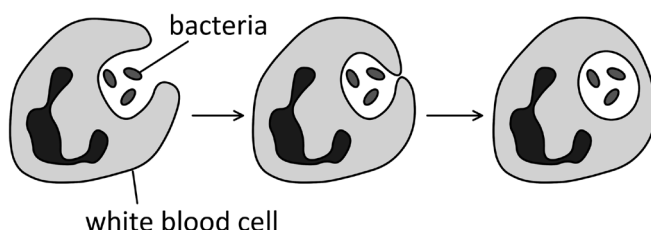
Which hormone maintains the lining of the uterus during pregnancy?

Progesterone

Which hormone changes the permeability of the collecting duct of the kidney?

ADH or anti-diuretic hormone

The diagram shows one way the body defends itself against pathogens.



i. Name type of cell shown in the figure.

A phagocyte

ii. Name the process that the cell is displaying.

Phagocytosis

What is an antigen?

A molecule (usually a protein) on the surface of a pathogen that triggers an immune response.