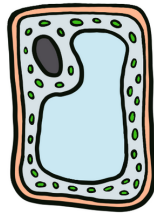


ROOT HAIR CELL

This cell is found in the roots of plants.

Its function is to absorb water and minerals from soil.

It grows long and thin to increase surface area. It has a large vacuole for storing water.

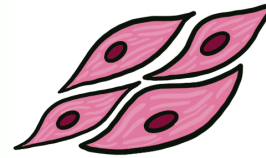


PALISADE CELL

This cell is found in plant leaves.

Its function is to use sunlight to make food for the plant (photosynthesis).

It contains lots of chloroplasts for photosynthesis take place.

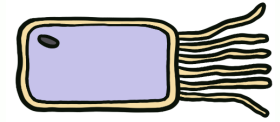


MUSCLE CELL

This cell is found in muscles.

Its function is to use energy to shorten and lengthen so the animal can move.

It contains lots of mitochondria as they need energy.



CILIATED EPITHELIAL CELL

This cell is found in air passages to the lungs.

Its function is to help protect the lungs by trapping bacteria and dust in mucus.

It has tiny hairs called cilia that sweep the mucus back up to the throat or nostrils.