

AQA GCSE Biology (Higher) For the Summer 2022 Exams

Flashcard Notes - 1.1.2 Animal and plant cells

Copy the questions and answers below onto flashcards and use them to test yourself.

Which sub-cellular structures are found in animal cells?

Animal cells have a cell membrane, cytoplasm, nucleus, ribosomes and mitochondria.

Which sub-cellular structures are found in plant and algal cells?

Plant and algal cells have a cell membrane, cytoplasm, nucleus, ribosomes, mitochondria, chloroplasts, a vacuole filled with cell sap and a cellulose cell wall.

What is the function of the cell membrane?

The cell membrane controls what enters and exits the cell.

What is the function of the cytoplasm?

The cytoplasm is where most of the cell's chemical reactions take place.

What is the function of the nucleus?

The nucleus contains chromosomes, which contain genes, which contain instructions for making proteins.

What is the function of ribosomes?

Ribosomes make proteins.

What is the function of mitochondria?

Mitochondria carry out aerobic respiration.

What is the function of chloroplasts?

Chloroplasts carry out photosynthesis.

What is the function of the vacuole?

The vacuole helps to keep the cell rigid.

What is the function of the cell wall?

The cell wall strengthens the cell.

What is the function of chromosomes?

Chromosomes contain genes, which contain instructions for making proteins.

What is the function of plasmids?

Plasmids contain genes, which contain instructions for making proteins.