

AQA GCSE Biology (Higher) For the Summer 2022 Exams

Flashcard Notes - 1.1.1 Eukaryotes and prokaryotes

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

What are cells?

Cells are the basic building blocks of all living organisms.

What are organisms that are made up of one cell called?

Organisms that are made up of one cell are called unicellular organisms.

What are organisms that are made up of multiple cells called?

Organisms that are made up of multiple cells are called multicellular organisms.

What are sub-cellular structures?

Sub-cellular structures are the structures that are found within cells.

What are prokaryotic cells?

Prokaryotic cells are small, simple cells that do not have a nucleus or many other sub-cellular structures.

What are eukaryotic cells?

Eukaryotic cells are large, complex cells that have a nucleus and many other sub-cellular structures.

What are prokaryotes? Which groups of organisms are prokaryotes?

Prokaryotes are organisms that have prokaryotic cells. Bacteria and archaea are prokaryotes.

What are eukaryotes? Which groups of organisms are eukaryotes?

Eukaryotes are organisms that have eukaryotic cells. Plants, Animals, Algae and Fungi are eukaryotes.

What features do all eukaryotic cells share?

Eukaryotic cells are large cells with their DNA enclosed in a nucleus. They all have a cell membrane, cytoplasm, ribosomes and mitochondria.

What features do all prokaryotic cells share?

Prokaryotic cells are small cells. Their DNA is loose in the cytoplasm (not in a nucleus). They all have a cell membrane, cytoplasm, cell wall and ribosomes.

What is the DNA like in a prokaryotic cell?

Prokaryotic cells usually have one large loop of DNA called a chromosome. They often also have small loops of DNA called plasmids.

What are centimetres and what are they abbreviated to?

A centimetre (abbreviated to cm) is $1 \times 10^{-2}\text{m}$.

What are millimetres and what are they abbreviated to?

A millimetre (abbreviated to mm) is $1 \times 10^{-3}\text{m}$.

What are micrometres and what are they abbreviated to?

A micrometre (abbreviated to μm) is $1 \times 10^{-6}\text{m}$.

What are nanometres and what are they abbreviated to?

A nanometre (abbreviated to nm) is $1 \times 10^{-9}\text{m}$.

How do you convert between units of measurement?

To convert from a smaller unit to a bigger unit, divide by the number of times bigger the new unit is.

To convert from a bigger unit to a smaller unit, multiply by the number of times smaller the new unit is.