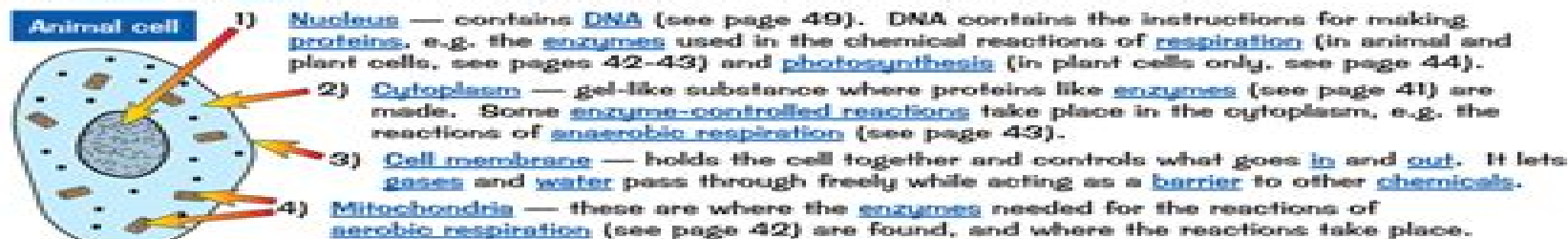


Cell Structure and Function

Every **living thing**, from your teacher to your pet pooch, is made up of the same basic **building blocks** — **cells**. Lots of important **chemical reactions** happen in cells — you need to know about the different parts involved.

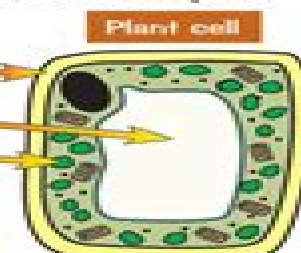
Plant and Animal Cells Have Similarities and Differences

Most **animal** and **plant** cells have the following parts — make sure you know them all:



Plant cells also have a few **extra** things that animal cells **don't** have:

- 1) Rigid **cell wall** — made of **cellulose**. It **supports** the cell and strengthens it.
- 2) **Vacuole** — contains **cell sap**, a weak solution of sugar and salts.
- 3) **Chloroplasts** — these are where the reactions for **photosynthesis** take place. They contain a green substance called **chlorophyll** and the **enzymes** needed for photosynthesis.



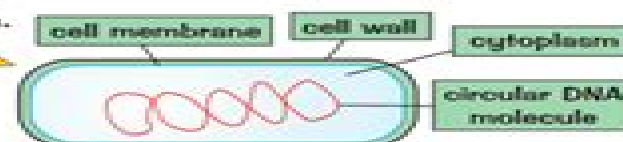
Yeast are Single Celled Microorganisms

- 1) **Yeast** are used to make **bread** and **wine** (see page 43).
- 2) You need to **learn** the **different parts** of a yeast cell:



Bacteria Have a Simple Cell Structure

- 1) **Bacterial** cells are a bit different to plant, animal and yeast cells. You need to **know** the **different parts** of a bacterial cell:
- 2) They **don't** have a **nucleus**. They have a **circular molecule of DNA** which floats around in the cytoplasm.
- 3) They **don't** have **mitochondria** either, but they **can** still **respire aerobically**.



At yeast it's an easy page...

It might look like there's lots on the page but don't let that put you off — it's not as mind boggling as it seems and there's a **dead simple** way of learning it all. Just draw a **table** showing the **different parts** of **plant**, **animal**, **yeast** and **bacterial** cells. Then learn the table and before you know it you'll be an **expert** on cells just like me.

Biology Cells And Their Functions Study Guide

Calvin Yates



Biology Cells And Their Functions Study Guide:

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