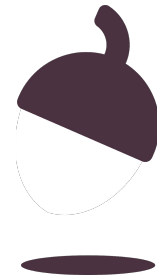


Combined Science - Biology - KS4  
Cell Biology

# Prokaryotic and Eukaryotic cells

(Downloadable student document)

Miss Wong



**OAK**  
NATIONAL  
ACADEMY

# Why is cell biology important?

**Knowledge in  
cell biology**

**Biochemist or biologist  
studying plants and  
animals**

**Working in  
laboratories with other  
researchers**

**Developing medicinal  
drugs and vaccines**



# Different types of cells

Cells

```
graph TD; Cells --> Prokaryotic[Prokaryotic cells]; Cells --> Eukaryotic[Eukaryotic cells];
```

Prokaryotic cells

These are cells without a nucleus.

Eukaryotic cells

These are cells with a nucleus.



# **Pause the video to complete your task**

**Quick concept check:**

- 1. Give one example of a eukaryotic cell.**
- 2. Give another example of a prokaryotic cell.**

**Resume once you're finished**



## Answer to quick concept check:

Give one example of a eukaryotic cell.

**A plant cell or an animal cell.**

Give another example of a prokaryotic cell.

**A bacterial cell.**

