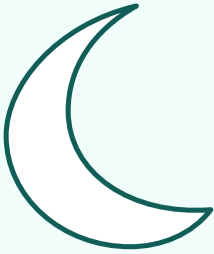


# Cell Theory

9th Grade

Three statements that underpin the whole of biology.



Cell theory is the foundational idea of biology: cells are the basic unit of life, and all life is made of them.

- All living things are made of one or more cells.
- The cell is the basic unit of structure and function.
- All cells come from pre-existing cells.
- Prokaryotes have no nucleus; eukaryotes do.
- Bacteria are prokaryotes; plants, animals and fungi are eukaryotes.

## LOOK FOR IT

A virus is not made of cells, which is one reason its status as 'alive' is disputed.

The third statement killed spontaneous generation — life does not arise from nothing.