

Bacteria



Bacteria are so small that we need an electron microscope to better see it.



Bacteria are organisms that consist of a single cell without a nucleus (prokaryote).

Video:

<http://videos.howstuffworks.com/hsw/10406-bacteria-the-simplest-organisms-video.htm>

Bacteria



The hereditary material is located in the cytoplasm.

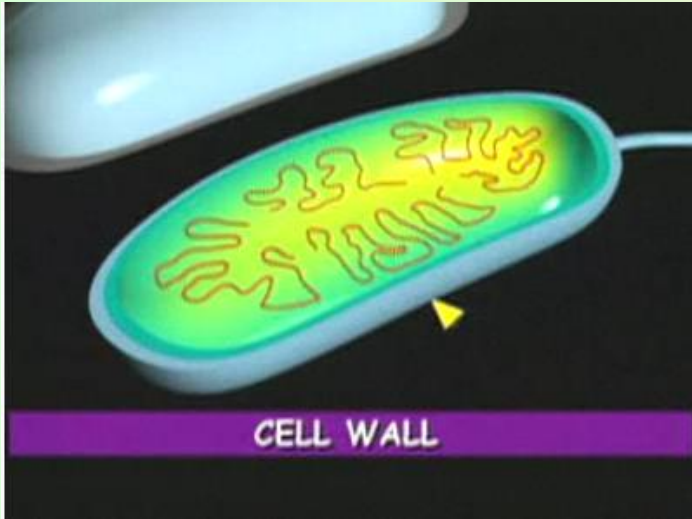
This hereditary material is the information the bacteria need in order to make an exact copy of themselves.

In other cells (eukaryote) that material is located in the nucleus.

The cytoplasm is protected by one or more layers (the innermost is the membrane: it controls the flow of material between the cell and the surroundings).



Bacteria



The cell wall gives the shape of the bacteria. In some cases a capsule (another layer) gives extra protection to the bacteria.

Sometimes a bacteria possesses a flagellum that they use to be propelled.

