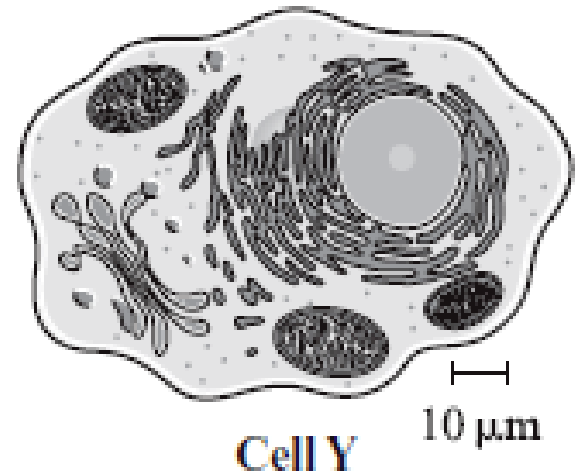
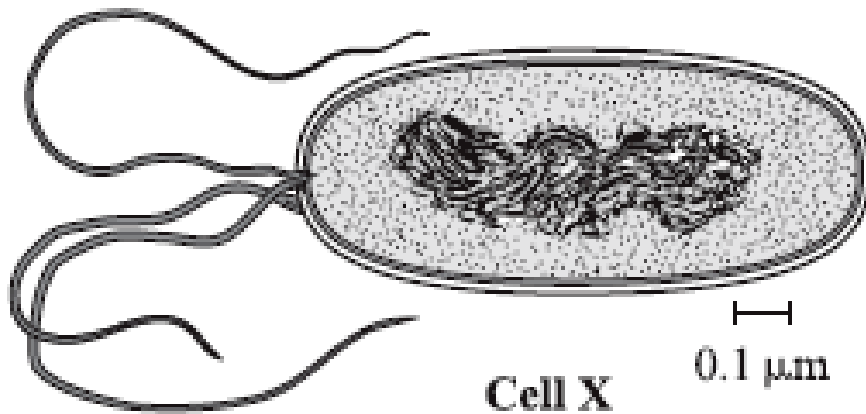


Cells and Stuff



Cells and Stuff

- 6.12 A Understand that all organisms are composed of one or more cells
- 6.12B Recognize that the presence of a nucleus determines whether a cell is prokaryotic or eukaryotic

Cells and Stuff

Look for the answers to these questions as you skim through the articles, and write what you find in your notebook :

- Who first viewed cells through a microscope, and when?
- What is the cell theory?
- What are some interesting things to note about cells?

Robert Hooke

- English Scientist who looked at a slice of cork through a microscope in 1655
- He observed tiny, room-like, hollow structures
- He called these structures “cells” because they reminded him of the rooms that monks lived in
- Only the outer walls (cell walls) were visible since the cork cells were not alive
- Hooke is credited with the discovery of the cell
- “Cell” means tiny room in Latin

Question...

Is this when cells were invented?

ROBERT HOOKE
1635 - 1703

http://en.wikipedia.org/wiki/Robert_Hooke



Cell Theory

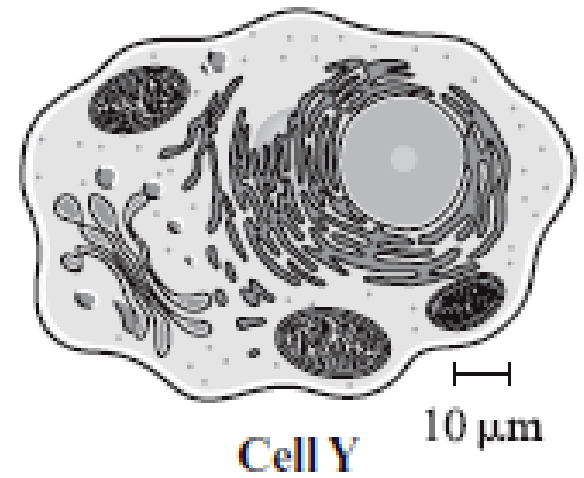
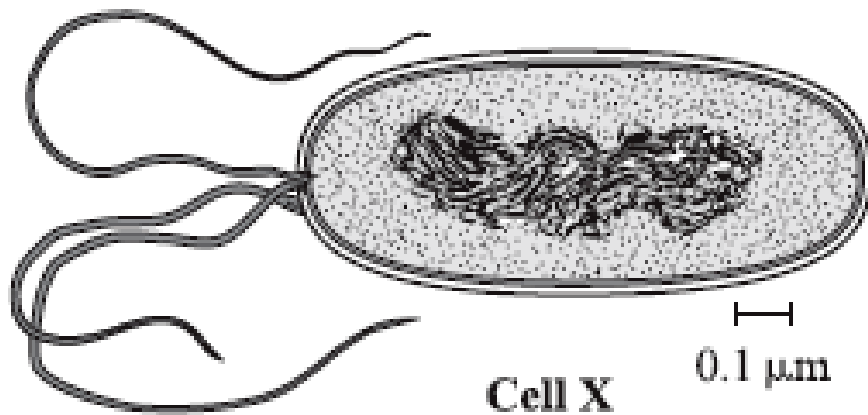
1. All organisms (life forms) are made of cells
2. The cell is the basic unit of life
3. All cells come from other cells

Important Vocabulary

- Cell – the basic unit of life.
- Nucleus – the control center of the cell; contains DNA (information)
- Single-celled/Unicellular – consisting of one cell
- Multi-cellular – consisting of many cells
- Organism – life form
- Eukaryote – organisms that have a nucleus
- Prokaryote – organisms that do not have a nucleus

General Cell Information

All living things are composed of at least one cell. Organisms made up of only one cell are referred to as unicellular. Organisms made up of many cells are called multi-cellular. Large organisms, such as humans, have billions of cells. Students might think that most organisms on Earth are multi-cellular. In fact, the majority of organisms are microscopic, single-celled organisms such as bacteria, algae, certain fungi, and protozoa.



Taken from neisd.net