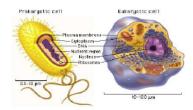
The Cell Theory

O: We will recognize the components of the Cell Theory.

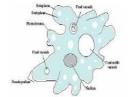


prokaryote

eukaryote

- No nucleus
- No membrane bound organelles
- All are unicellular
- Cells have a sticky capsule
- · All have a cell wall
- All are bacteria
- Smaller

- ribosomes
- DNA
- cytoplasm
- cell membrane
- Has a nucleus
- Has membrane bound organelles
- Can be unicellular or multicellular
- Has a cytoskeleton
- Not bacteria
- Larger



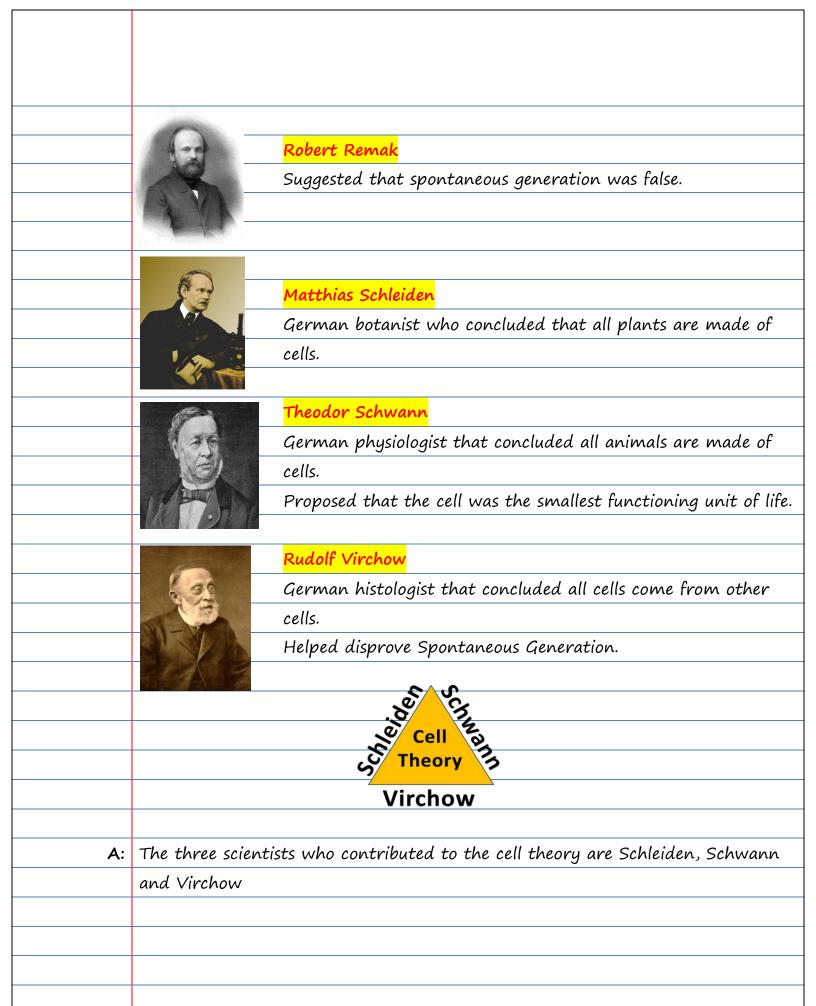
unicellular



multi-cellular

- Cell organelles have to perform life processes
- Only one cell
- Uses mitosis for reproduction
- Asexual reproduction
- Have organelles
- Some can use asexual repro
 - Get energy
- Reproduce
- Eliminate waste
- Cells can have special functions
- More than one cell
- Uses mitosis for growth and repair
- Asexual or sexual reproduction

spontaneous generation – an old theory that proposed living things could
come from non-living matter.
the cell theory – describes the basic characteristics of all cells.
 All organisms are made of cells.
2. Cells are the basic units of structure and function for all
living things.
3. All cells come from other cells.
Using the microscope, many scientists were able to come together and agree
upon the parts of the cell theory.
As new and more powerful microscopes are created, we learn even more
about cells.
Zacharias Jansen Dutch scientist Built a compound microscope with his father in 1595. Zacharias Janssen (1580-1638)
Anton Von Leeuwenhoek Dutch scientist that made the first simple microscope. Discovered bacteria. Robert Hooke
Came up with the word "cell" after studying cork under the microscope.



0.	Note will lead at the development of the call the care from growth and care conservation.
<i>O</i> :	We will look at the development of the cell theory from spontaneous generation to present day.
	to present aug.
A:	Anton Von Leeuwenhoeck and Robert Remak
<i>O</i> :	We will look at the history of the cell cycle.
A:	answers will vary.
<i>O</i> :	We will begin an essay pre-write by exploring spontaneous generation.
A:	Yes!
<i>O</i> :	We will continue pre-write by researching scientists.
A:	New technology.
<i>O</i> :	We will continue prewrite by researching mitosis.
A:	The old theory that living organisms could arise from non-living matter.
<i>O</i> :	We will write our final essay on the evolution of the theory of mitosis.
A:	Spontaneous generation
<i>O</i> :	We will complete final essay on the evolution of the theory of mitosis.
A:	The division of a nucleus.