



Learning About Cells and Cell Theory

Cells are the basic structure of all living things. Just as bricks are the building blocks of your house, cells are the building blocks of you. Cells can only be seen through a microscope. Until the 1500's there was no way to see cells. Around 1590 the microscope was invented and people were able to see lots of different types of cells.

Before the invention of the microscope people believed that some living things just appeared spontaneously from a combination of other non-living things. This idea, called spontaneous generation, took almost 200 years to disprove.

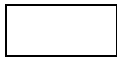
There are many different kinds of cells. Differences between cells can be used to categorize various cell types. Many organisms are unicellular, or made of only one cell. The cell of a unicellular organism has structures to help the organism move, get food reproduce and respond to its surroundings. Frogs, trees, mushrooms and humans are multicellular or made of many cells. These cells work together to keep the organism alive and help it reproduce.

Materials: Cell Theory power point, Spontaneous Generation video

What To Do:

- 1. Make a foldable from next page
- Cut** on solid lines and **fold** on dotted lines.
- 2. Glue it in your notebook
- 3. Watch power point and video to fill in information.

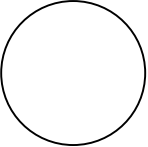
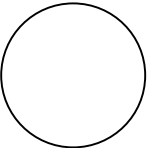
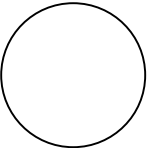
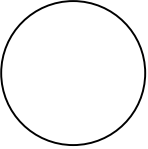
Glue to notebook	Spontaneous Generation	Robert Hooke Antoine von Leuwenhoek	Glue to notebook
		Louis Pasture	
Glue to notebook	Cell Theory	Schleiden And Schwann	Glue to notebook
		Rudolf Virchow	

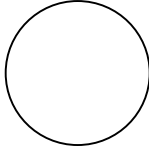
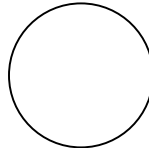
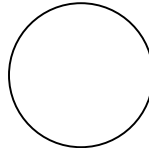
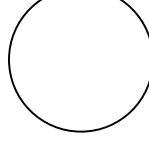


Materials: Microviewer – 1 per 2 students Booklet # 58,
#101 or #207

What To Do:

1. Observe the slides in the booklet.
2. Draw and color them.
3. Write the name of the slide on the line under each circle.

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Ideas About Cells

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Unscramble each of the clue words.
Copy the letters in the numbered cells to other cells with the same number.

Name _____

period _____

EXIT TICKET

Learning About Cells and Cell Theory

1. What is the meaning of unicellular?
 - A. having no cells
 - B. having one cell
 - C. having more than one cell
2. What is the meaning of multicellular?
 - A. having no cells
 - B. having one cell
 - C. having more than one cell
3. Which of the following is the major idea of spontaneous generation?
 - A. all living things are made up of cells
 - B. some living things come from non-living things
 - C. no living things have cells
4. Which of the following is the major idea of the Cell Theory?
 - A. all living things are made up of cells
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