

Activity 1

The Discovery and Binding Mechanism of Life

A. Watch the “Cell Theory” video which tells about the story of the discovery of cell. Take note of the scientists and their respective works. Choose from the box which scientists gave the following statements.

Rudolf Virchow	Anton van Leeuwenhoek	Matthias Schleiden
Theodor Schwann	Robert Hooke	

1. Thousands of tiny empty chambers in cork are called cells (1665).
2. Tiny living organisms are observed (1676).
3. All plants are made up of cells (1838).
4. All animals are made up of cells (1839).
5. All cells come from pre-existing cells (1858).

B. Complete the three basic components of the cell theory by arranging these words in proper order.

1. ORGANISMS OF CELLS ARE ALL MORE LIVING COMPOSED OR ONE
2. OF BASIC CELL THE UNIT IS LIFE
3. COME CELLS PRE-EXISTING ALL FROM CELLS

Cell Organelles

C. Explain the intricate connection of other organelles in the process of creating cellular product beginning from the nucleus?

- 1.
- 2.
- 3.

D. What are the other functions that the vacuole can perform? Write down your answers.

- 1.
- 2.
- 3.