

Date: _____

Name: _____

Cell Theory Scramble

This activity was created by Brandi.

Read the short story below of how Cell Theory was created and try to decipher the scrambled words that are in bold. Then, according to the story, put the number that corresponds to the proper scientist in the space beside their discovery or invention.

A vital tool that led to the discovery of cell theory was the **MCIPESROCO** which is believed to have been invented by Zacharias Janssen. The initial microscope consisted of two lenses: the objective lens, which was close to the specimen, and the eyepiece. They worked together to magnify a sample of a specimen in order to view smaller structures. A compound microscope was used and improved by Robert Hooke to view the first microorganisms which were microscopic fungi. He also was the first to view plant cells, saying they looked like individual rooms, and he named them "**LESCL**". A few years later, Anton van Leeuwenhoek made lenses of high magnification to view the first single-celled organisms and **TBIAEARC**. Because of this discovery, and his findings including the size and shape of red blood cells, he is often referred to as the "Father of Microbiology". Matthias Schleiden and Theodor Schwann together proposed Cell Theory, with Schleiden's finding that **TNLPSA** are made of many cells and Schwann's discovery that animals are also made of many cells. To add onto the findings of Schleiden and Schwann, Rudolf Virchow concluded that every cell comes from other cells. Together, these scientists' findings resulted in Cell Theory.

MCIPESROCO _____

TBIAEARC _____

LESCL _____

TNLPSA _____

- Identified the cell as the basic unit of plants
- Made lenses of high magnification
- Concluded that all cells come from other cells
- Saw the first known microorganism
- Named "cells"
- Invented the microscope
- Known as the "Father of Microbiology"
- Discovered single-celled organisms and bacteria
- Identified that the cell is the basic unit of animals
- Determined the size and shape of red blood cells

- 1** Zacharias Janssen
- 2** Robert Hooke
- 3** Anton van Leeuwenhoek
- 4** Matthias Schleiden
- 5** Theodor Schwann
- 6** Rudolf Virchow

