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LE-9R Bell Work: Cell Theory

*What is a cell?*

A cell is made up of 3 important components which we now call the Cell Theory. A *theory* is an explanation of WHY something is or happens. The historical study of the cell started in 1665 when Robert Hooke becomes the **first person to see cells**; he was looking at cork and noted that he saw " great many boxes”. He descried these many boxes as looking like a monk’s “Living cell” (or a jail cell with rooms closely next to each other).

In 1673 Anton van Leeuwenhoek **was the first person to see a living cell under a microscope**. He observed living cells in pond water. These cells were Protista, such as *amoeba*, *euglena* and *paramecium*.

Because the microscope became more complex there were more discoveries were made.



 The cell theory states;

1. Every living organism is made of one or more cells.
2. The cell is the basic unit of structure and function.
3. All cells arise from pre-existing cells.

*Questions*

1. What is a *theory*?

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2.Who was Robert Hooke?

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3.Who was Anton van Leeuwenhoek?

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*Exceptions to the Cell Theory*

* *The first cell did not come from a preexisting cell*
* *A virus is not living and is not made up of cells*

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LE-9R Cells Daily Quiz 1

1. How did microscopes impact the cell theory?

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2.There are 3 parts of the cell theory, list one.

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3.How were cells named (*what did they look like to the scientist*)?

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