**Cell Theory**

1. Developed over a time period of \_\_\_\_\_\_\_ years.
2. The first scientist to discover and describe cells was \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_
3. What are the 3 parts of the ***cell theory?***
4. \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ was the scientist who studied animal cells and also created the first 2 parts of the cell theory.
5. Robert Hooke and Anton van Leeuwenhoek not only helped discover cells, they also helped to develop the \_\_\_\_\_\_\_\_\_\_.

**Microscopes**



**Cells**

1. \_\_\_\_\_\_\_ are the smallest unit that can perform all processes necessary for life.
2. This part of a cell forms a protective barrier between the cell and its environment.

\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. Cells can only be created from \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_.
2. \_\_\_\_\_\_\_\_\_\_\_\_ is the fluid and almost all of the contents inside of a cell.
3. Organelles are structures in a cell that perform \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_.
4. The genetic material needed to make new cells is \_\_\_\_\_\_\_\_ or deoxyribonucleic acid.