Name	
Date	Period

The Cell Theory

Key Concept: The cell theory states that

- All living things are made of cells.
- Cells are the basic units of structure and function in living things.
- Living cells come only from other living cells.

Directions: Complete the following passage by filling in the correct missing words or phrases.

prirases.		
A cell is defined asthe basic units of structure and function in living		
things Cells were first described by the English scientistRobert Hooke, who		
thought that they resembled the tiny rooms, or cells, where monks live. Actually,		
Hooke did not see living cells, just thecell walls of dead cork cells. Cells		
contain structures calledorganelles This term means tinyorgans		
The discovery of cells and their internal parts was made possible by the inventio		
of themicroscope in thelate 16th century. This was around the same		
time as the English Billof Rights During the next two hundred years, the work		
of many scientists led to the development of thecelltheory. This theory can be		
summarized by three statements:		
1All living things are made of cells		
2Cells are the basic units of structure and function in living things		
3Living cells come only from other living cells		
Describe how each of the following scientists contributed to our knowledge of cells, including the year of their contribution. On the back of this sheet, construct a timeline including the scientists and their contributions, Columbus sailing for the New World, the English Bill of Rights, the signing of the Declaration of Independence, the French & Indian War, our War for Independence, and Lewis and Clark exploring the American West.		
1. Zacharias & Hans JanssenDeveloped first microscope 1590		
2. Robert Hookecoined term "cells" Published Micrographia 1665		
3. Anton van LeeuwenhoekImproved microscope. Looked at blood, rainwater,		
and scrapings from his teeth 1674		
4. Mathias Schleidenco-founder of cell theory – 1 st and 2 nd statements 1838		
5. Theodor Schwannco-founder of cell theory – 1 st and 2 nd statements 1838		
6. Rudolph VirchowAdded third statement of cell theory 1855		

Timeline

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