

# Notes: Cell Theory

Cells	<ul style="list-style-type: none"> <li>☞ How do all those _____ come together to form a living organism?             <ul style="list-style-type: none"> <li>☞ By forming a _____!</li> </ul> </li> </ul>
Organisms are ALL made of cells!	<ul style="list-style-type: none"> <li>☞ A cell is the _____ of an organism that is still considered living.             <ul style="list-style-type: none"> <li>☞ _____ unit of _____!</li> </ul> </li> <li>☞ Some organisms, like _____, consist of only _____ cell.</li> <li>☞ Others, like _____, have of _____ of specialized cells working together.</li> </ul>
Microscopes	<ul style="list-style-type: none"> <li>☞ Most cells are so tiny that you _____ them without the help of a microscope.</li> <li>☞ We use _____ (we can't see some small structures with these)             <ul style="list-style-type: none"> <li>☞ _____ created a primitive light microscope in 1665 and observed cells for the very first time.</li> </ul> </li> <li>☞ 1950- more powerful microscopes, biology grew _____!</li> </ul>
TEM	<ul style="list-style-type: none"> <li>☞ _____ (TEM) pass an electron beam through a very thin section of an organism and allow us to study the _____ of cells.</li> </ul>
SEM	<ul style="list-style-type: none"> <li>☞ Scanning electron microscopes (SEM) pass a beam of electrons across the surface of something to show the details of the shapes of surfaces giving a 3D image</li> </ul>
The Cell Theory	<ul style="list-style-type: none"> <li>☞ _____ organisms are composed of cells.</li> <li>☞ Cells are _____ and the basic living units of _____ in all organisms.</li> <li>☞ All _____ come from _____.</li> </ul>

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