

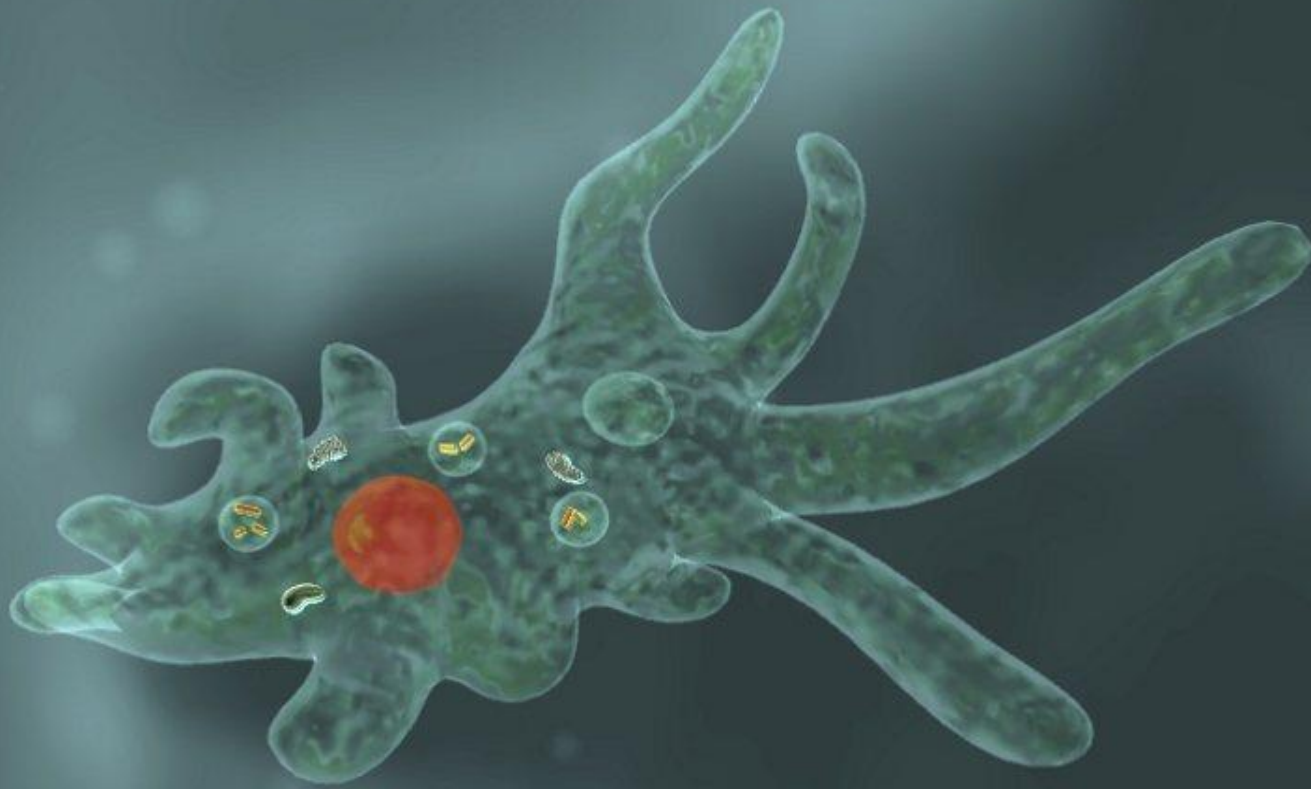
Cells



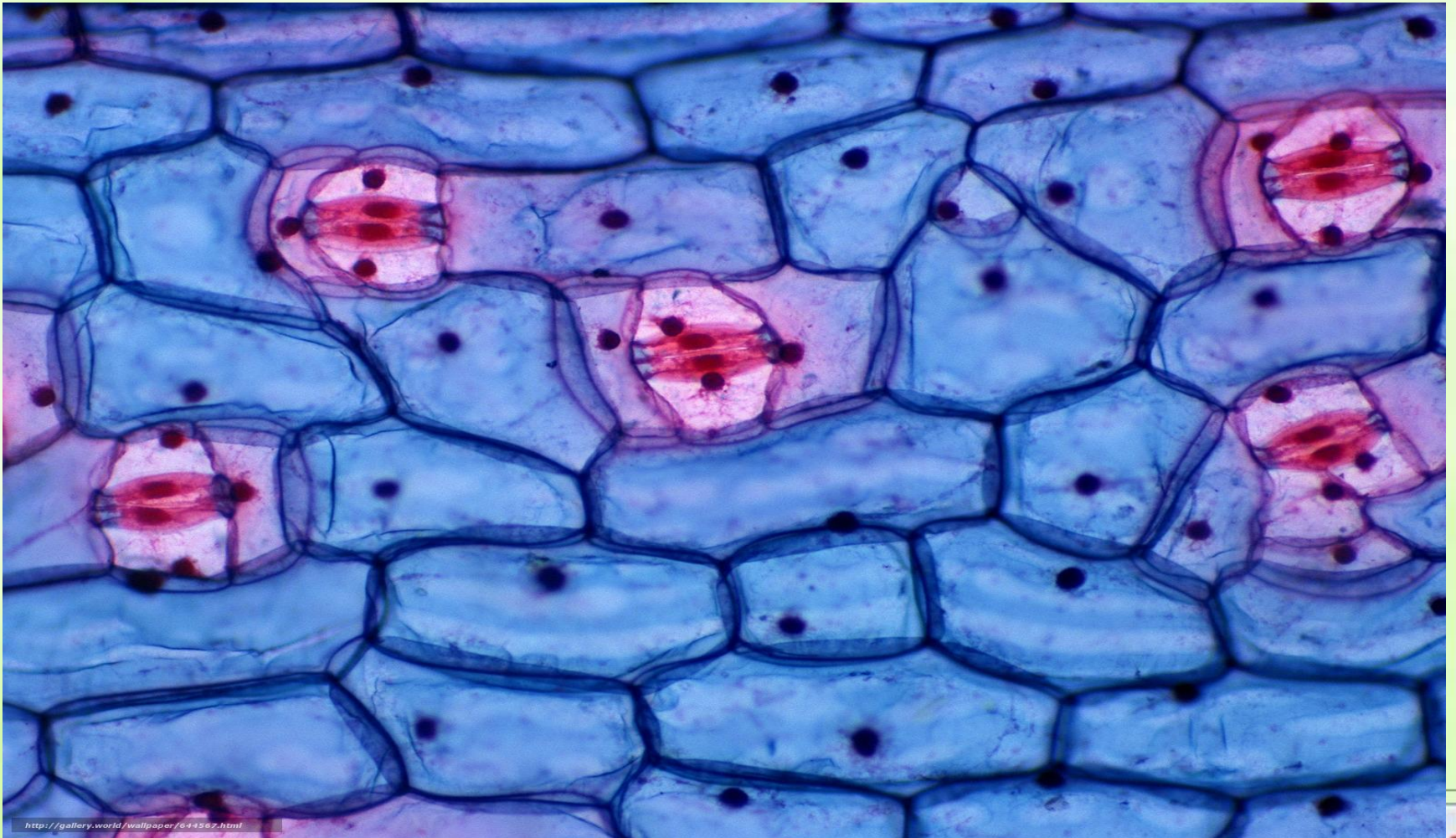
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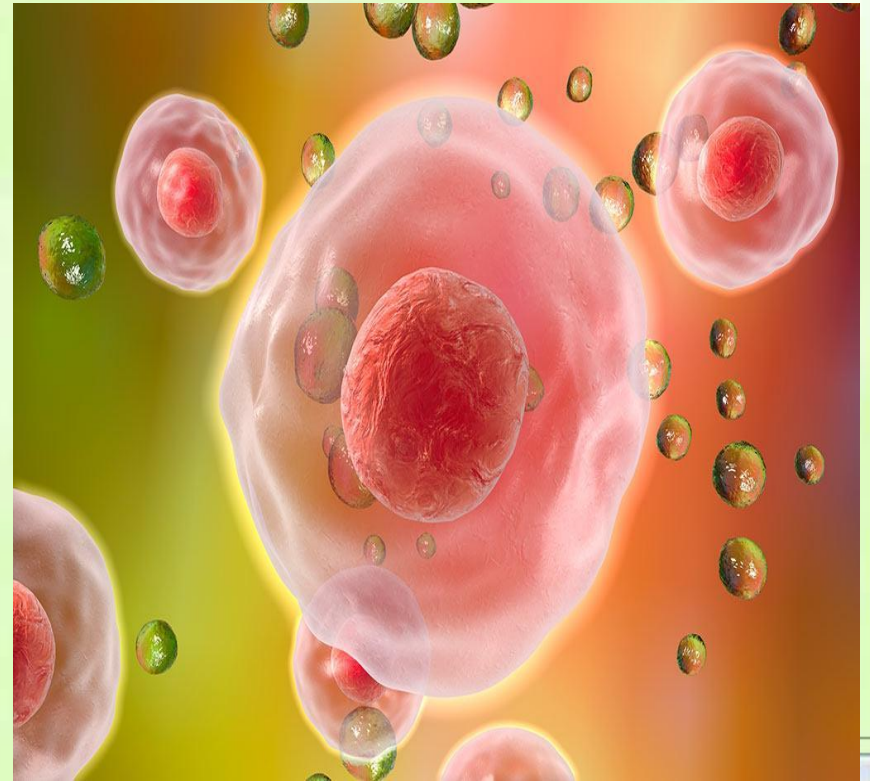
Cells are the fundamental units of all living things- human, animal, plant, microbe.



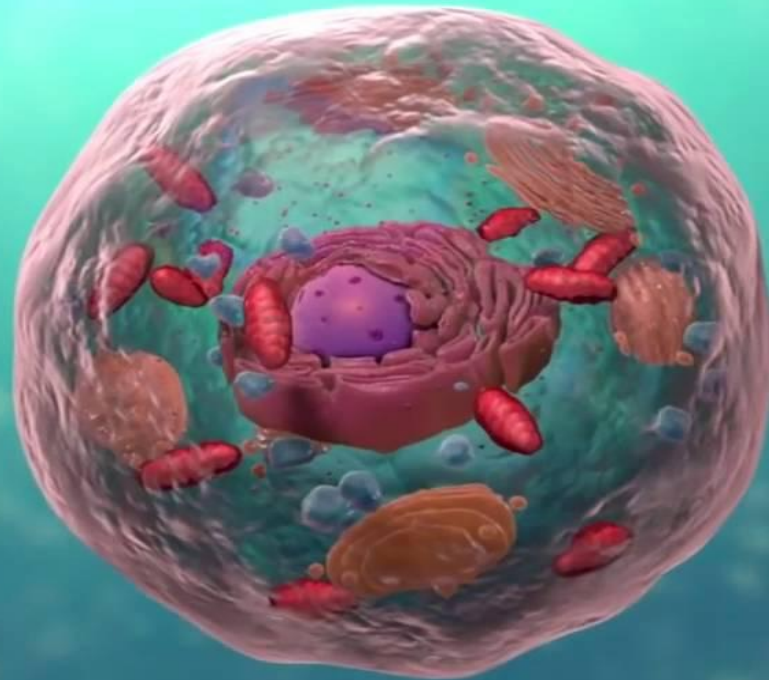
The human body is a congregation of an estimated 26 trillion cells.



The cells of the human body vary in size from about $1/10,000$ to $1/1,000$ of an inch



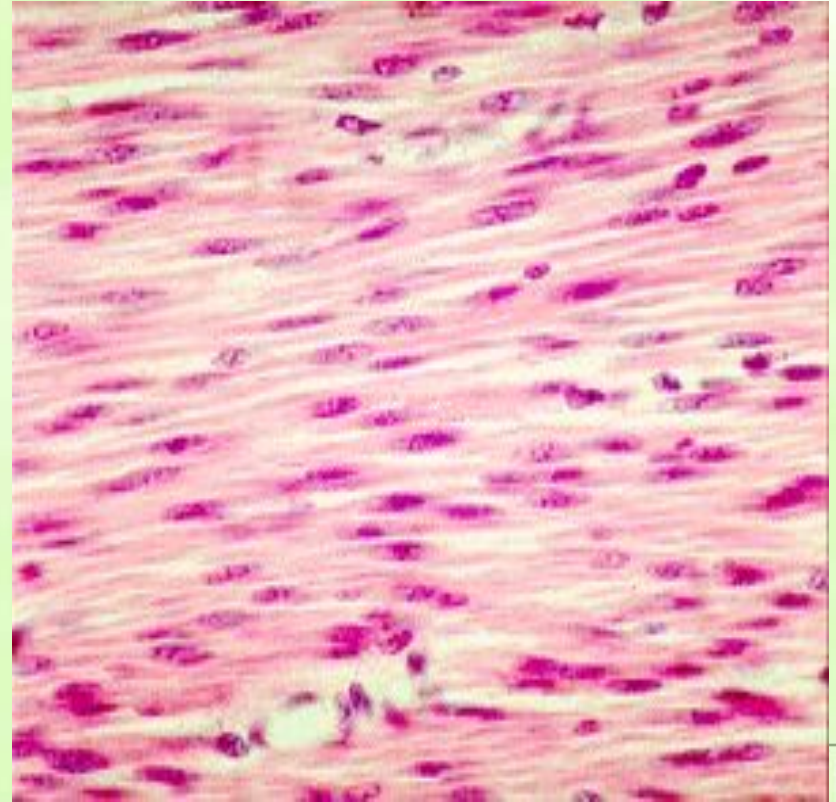
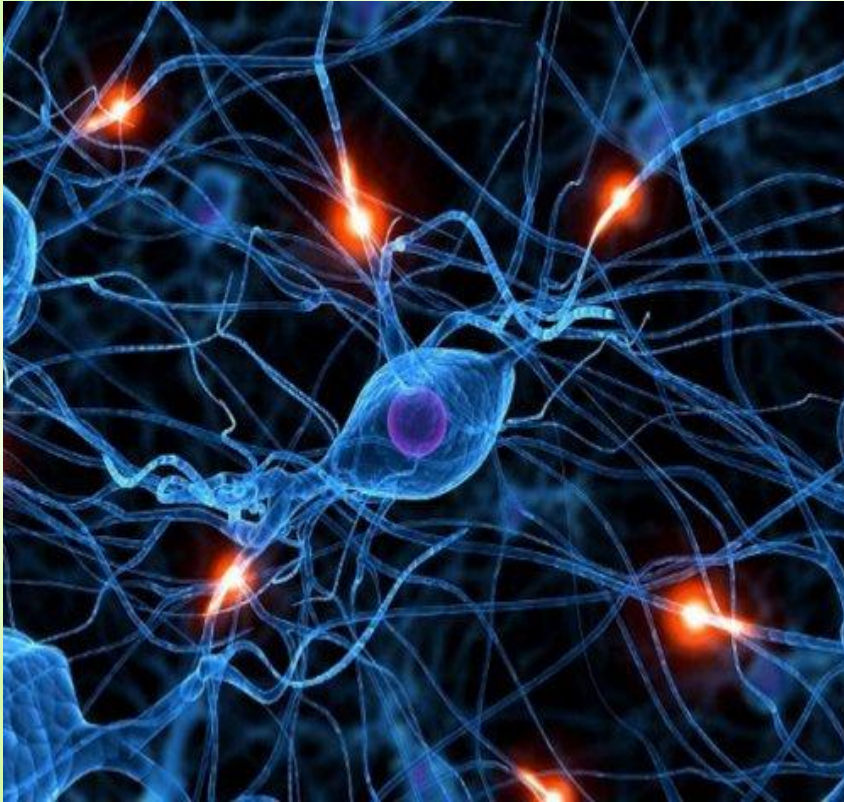
A cell is essentially a mass of protoplasm- a jellylike living substance- circumscribed by a cell wall and containing a nucleus.



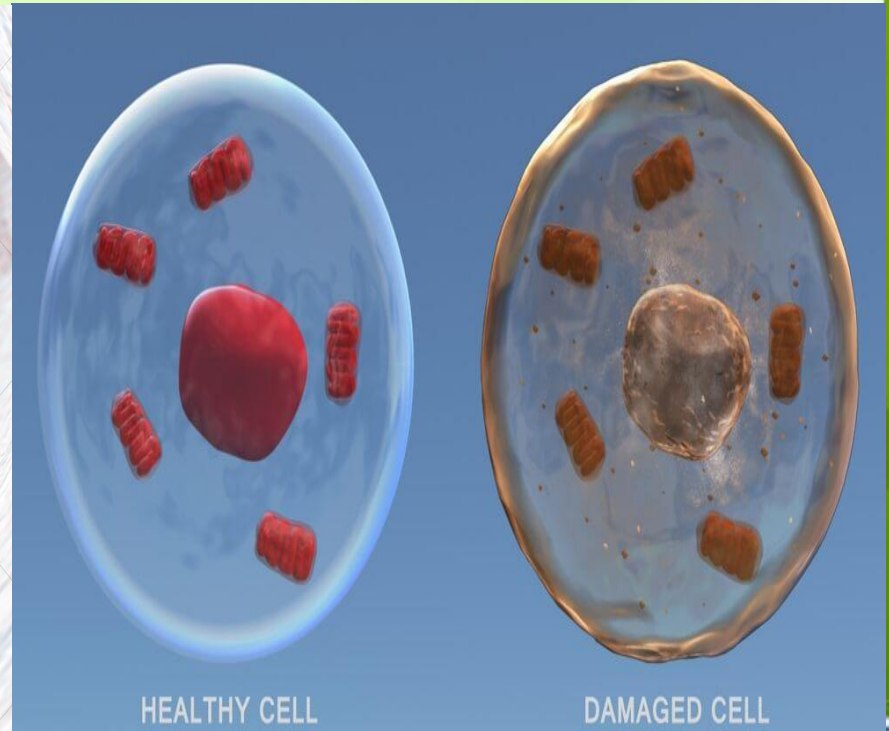
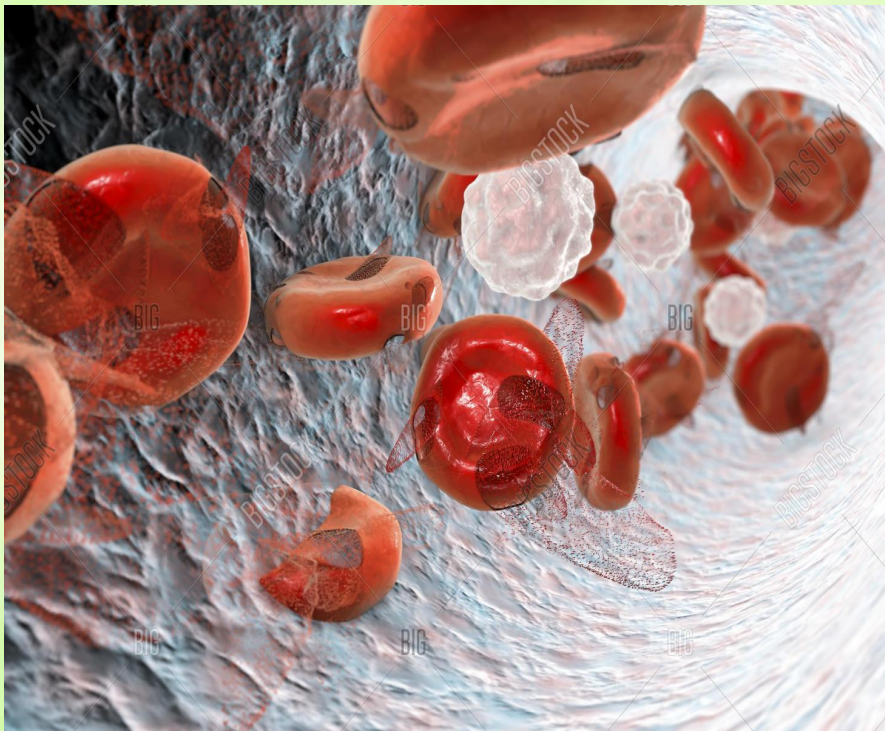
It is born (by the process of cell division), lives, feeds itself and gets rid of waste products (the process called metabolism), grows, reproduces itself by division or degenerates, dies, and is replaced.



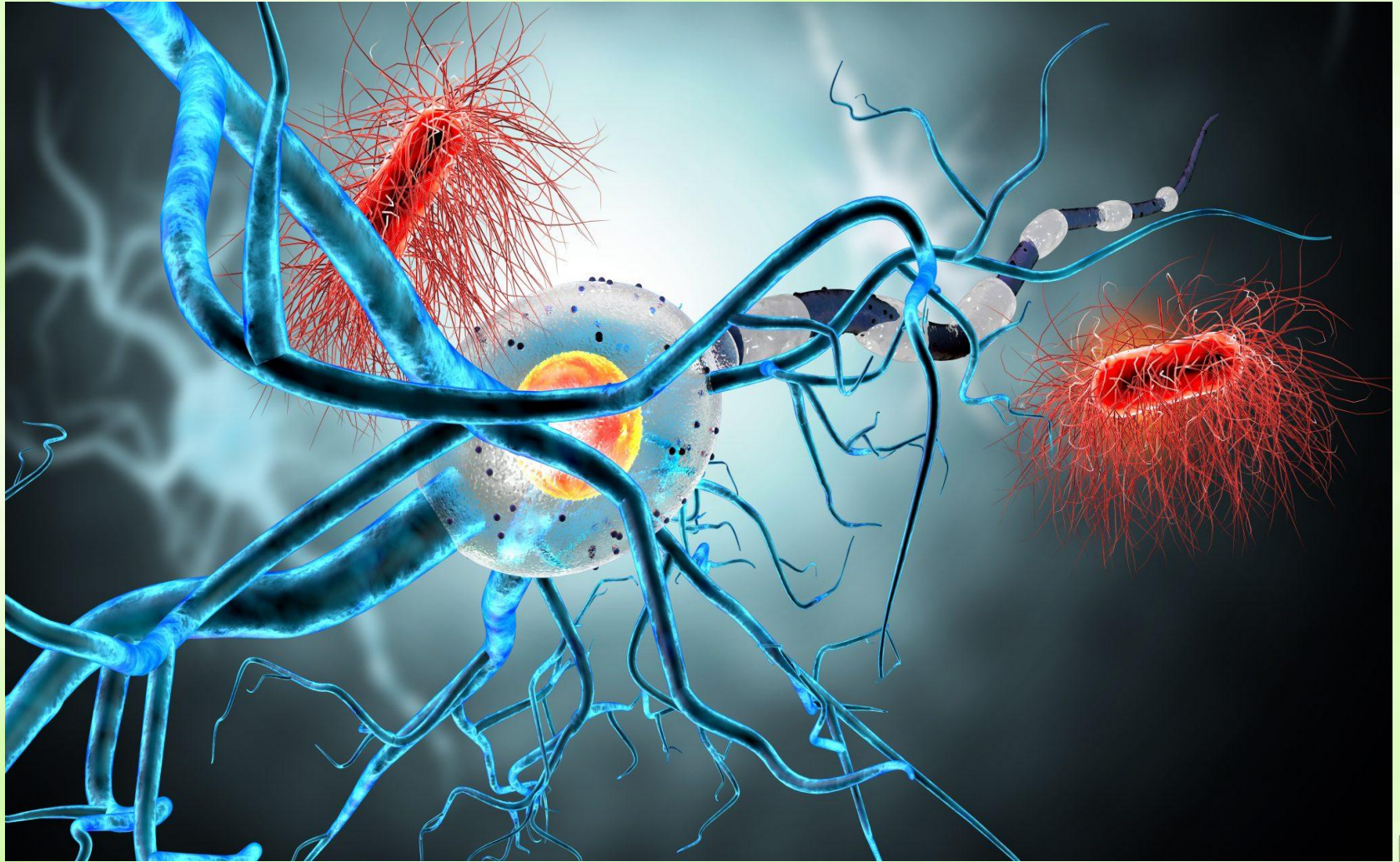
Muscle cells stretch and contract, nerve cells carry signals.



Cells can be damaged and killed by direct injury, by poison from chemical substances or bacterial invasion, and by lack of foodstuff or oxygen.



Nerve cells do not regenerate.



Cells can generally be classified as follows:

Соединительные ткани:

