

Explain the difference between a one-celled organism and a single cell of a multicelled organism?

Answer:

The difference between a one-celled organism and a single cell of a multicelled organism can be understood from the following:

	Unicellular	Multicellular
1) Nomenclature:	Also called Prokaryotes	also called Eukaryotes
2) Origin history	first life forms on planet	evolved much later
3) Example	Bacteria, Archaea	animals, plants, humans
4) Complexity	very little, simple life form	more complex life forms
5) Nucleus	Absent	Present
6) Membrane bound nucleus	Absent	Present
7) Mitochondria	Absent	Present
8) Nuclear Membrane	Absent	Present

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