

Week 1 Concepts: The Cell

History of Microbiology

Prepare: History of Microbiology

Does not have membrane bound cellular organelles and has cell wall made up of peptidoglycan:

- Fungi
- Helminthes
- Protozoa
- Bacteria**
- Algae

According to Binomial system the scientific name of any living organism has (select all that apply):

A combination of generic (genus) and family name.

The first and second name are always lower-case letter.

A combination of the generic (genus) and species name.

The genus name is always capitalized, and the species name begins with a lower-case letter.

Both names should be italicized when in print or underlined when written by hand.

He was the first person to use swan neck flask to disapprove the theory of spontaneous generation:

- Antonie van Leeuwenhoek
- Carl von Linne (Linnaeus)
- Robert Hooke
- Robert Koch
- Louis Pasteur**

Father of Microbiology who called microbes animalcules:

- Antonie van Leeuwenhoek**
- Carl von Linne (Linnaeus)
- Robert Hooke
- Louis Pasteur
- Robert Koch

Which field of microbiology monitors and controls the spread of diseases in communities?

- Agricultural Microbiology
- Medical Microbiology
- Industrial Microbiology
- Public Health Microbiology and Epidemiology**
- Environmental Microbiology

Self-Check: Microorganisms

Viruses belong to the **Acellular** category of microorganisms.

Self-Check: Categorizing Organisms

Complete the following activity by dragging the organisms to the appropriate category.

Prokaryotic	Archaea / Bacteria
Eukaryotic	Protozoa / Fungi
Acellular	Prion / Viroid