

Chapter 07

DIVERSITY IN LIVING ORGANISMS

Kingdom MONERA:

General Characterstic of Monera:

They donot contain nuclear membrane. DNA is circular and naked held in a particular position by some proteins, well defined nucleus is absent thats why these are called prokaryotics.

- ❖ Membrane bound cell arganelles are absent, such as plastids, mitochondria and advanced flagella.
- ❖ Ribosomes are 70s type with 50s and 30s subunits.
- ❖ Rigid cell wall is present which is made up of peptido glycon.
- ❖ Some are motile, some are non motile, motile organisms bears flagella.
- ❖ The predominant mode of nutrition is absorptive but some groups are photosynthetic or chemosynthetic.
- ❖ Reproduction is primarily a sexual by fission or budding. Some organisms reproduce sexually by conjugation.

Example: Bacteria, blue green Algae.

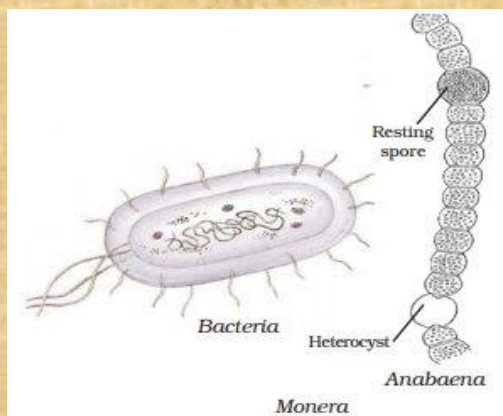


Figure : Monera