

Q: What is bacteria. Explain its structure with label diagram?

(Ans): Bacteria.

Bacteria are unicellular organisms that do not contain a membrane bound nucleus.

=> Each Bacterium has a single chromosome present in the cytoplasm.

=> An extra chromosomal DNA molecule is also present called plasmid, Also known as vector.

=> The plasmid can easily be isolated from a bacterial cell and gene can be attached with it.

=> Plasmid has the ability to carry a foreign gene into the bacterium.

=> Thus plasmid act as a carrier of a foreign gene.

Diagram:

See page No 30 Figure

3.3.