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Answers

1. Bacterial Variations: Microbiology notes of Sridhar Rao P.N. Any change in the genotype is known as VARIATION. Genotypic variation can occur as a result of changes in the genes by way of mutation, loss or acquisition of new genetic elements. These variations are heritable.
2. Microbial recombination is a type of genetic recombination in bacteria characterized by DNA transfer from one organism called donor to another organism as recipient. This process occurs in the three main ways: Transformation, the uptake of exogenous DNA from the surrounding environment.