

### Nutrient Replacement In Soil

Plants utilize the nutrients present in the soil resulting in decrease of these nutrients from the soil. To replenish this loss manures and fertilizers are added to the soil.

The nitrogen gas present in abundance in atmosphere cannot be consumed by the plants therefore to convert it into soluble form the nitrogen fixing bacteria like *Rhizobium* fix the atmospheric nitrogen into nitrates and nitrites. They live in the root nodules of leguminous plants like the peas and gram.



*Rhizobium* in root nodules of  
leguminous plants

It is also an example of symbiotic relation. The plants provide shelter to the bacteria which in return help in fixing atmospheric nitrogen in soluble form.