Foundation in Biology I (ID\$1102F01)

- Unit II : PLANTODOLOGY PI Credit, 15 Hours) Preeneral chargers of microbes and plants
 - Criteria for classification (3 Domain System)
 - Mendels laws, hereditary and applications
 - Concepts and components of environment
 - Cell division

Nitrogen Fixation

Order Nostocales

polar heterocysts

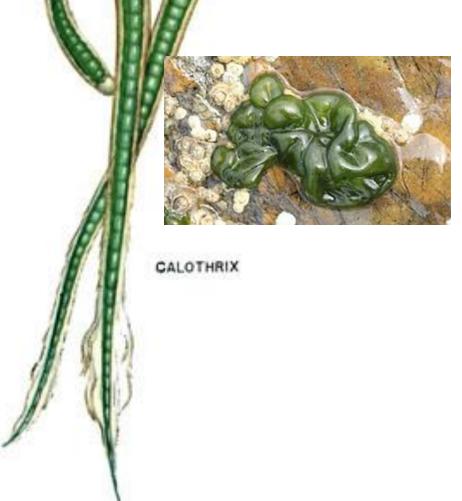
Nitrogen fixation sopport of 19 protein synthesis Page

1. Low N in environment

2. Cell differentiates as a specialized cell, heterocyst

3. Creates setting for Nitrogenase enzyme

4. Enzyme converts $N_2 \Rightarrow NH_4^+$



Classification of fungi

- Zygomycetes (Common Mcfulds): which produce through production of zygote ores.
- Ascomycetes (Sac fungi): which produce endogenous spores called ascospores in cells called asci.
- Basidiomycetes (Club fungi): which produce exogenous spores called basidiospores in cells called basidia.
- Deuteromycetes (Imperfect Fungi): fungi that are not known to produce any sexual spores (ascospores or basidiospores). This is a heterogeneous group of fungi where no sexual reproduction has yet been demonstrated.