**Plant Nutrition**:

Ch 37

Composition of plant:

Mineral nutrients:

Macronutrients:

Micronutrients:

Deficiency:

Mg:

Fe:

**Soil health**:

Texture:

Loam:

Composition:

Topsoil:

Humus:

Horizons: **Fig 37.5**

**Fig 37.6**

Need to conserve topsoil:

Fertilization:

Irrigation

Prevent erosion:

**Nutrient cycling**: **Fig 37.9**

Nitrogen fixation:

nitrogenase:

Ammonification:

Nitrificaton:

Denitrification:

**Symbiosis**:

*Rhizobium sp.*:

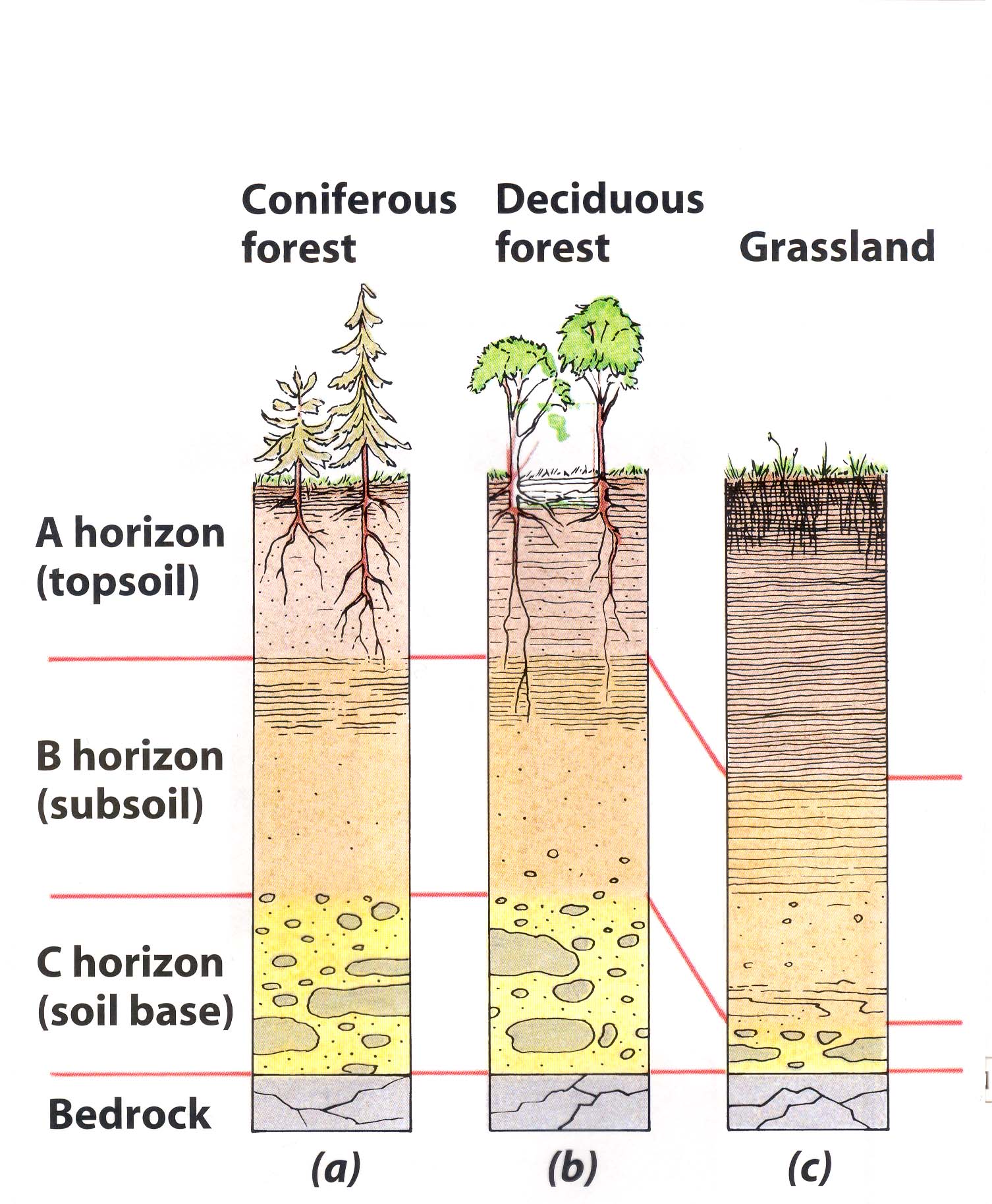
Mycorrhizae:

**Fig 37.12**

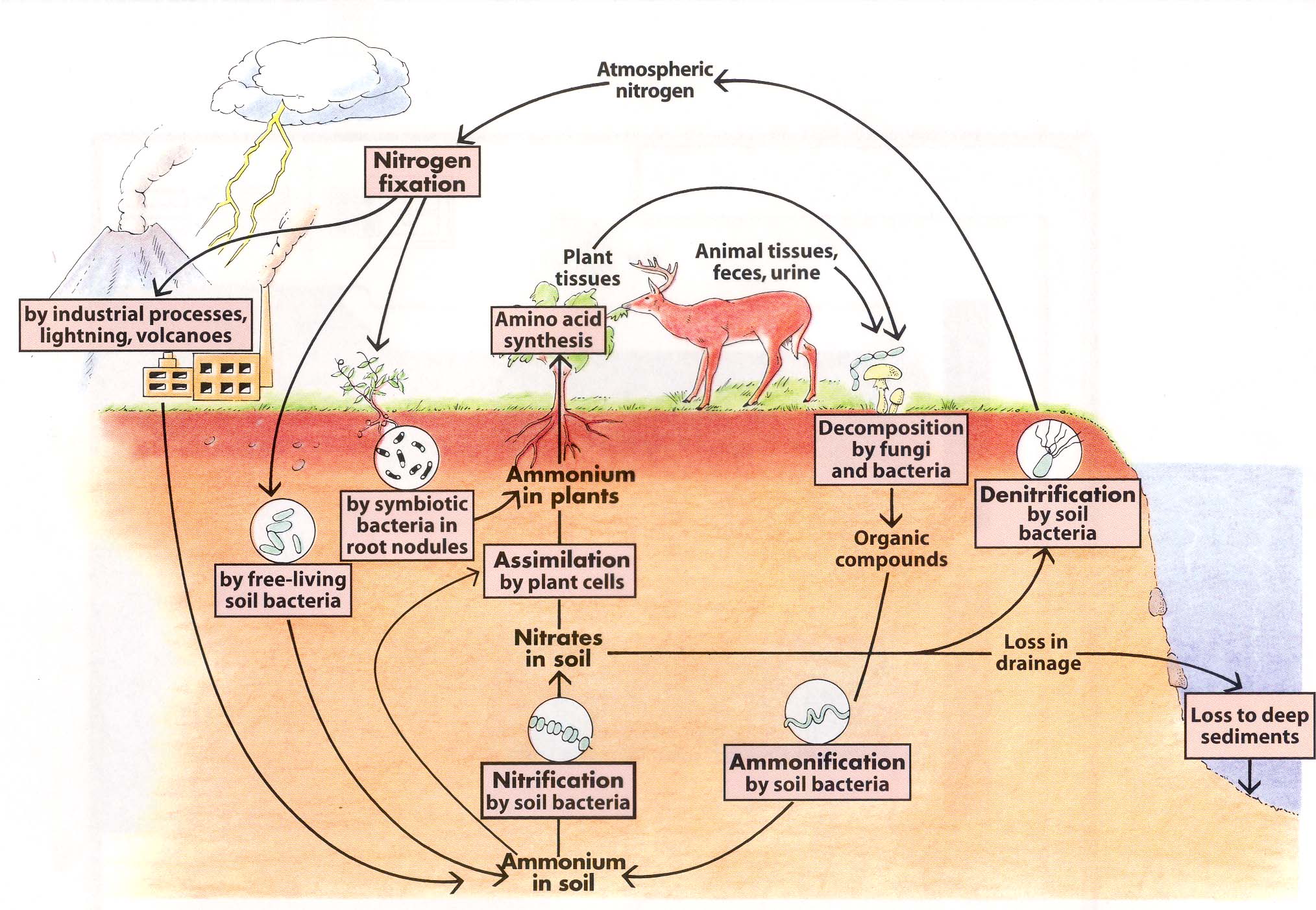
Ectomycorrhizae:

Endomycorrhizae:

Soil horizons



Nitrogen cycle



*Rhizobium sp.*

