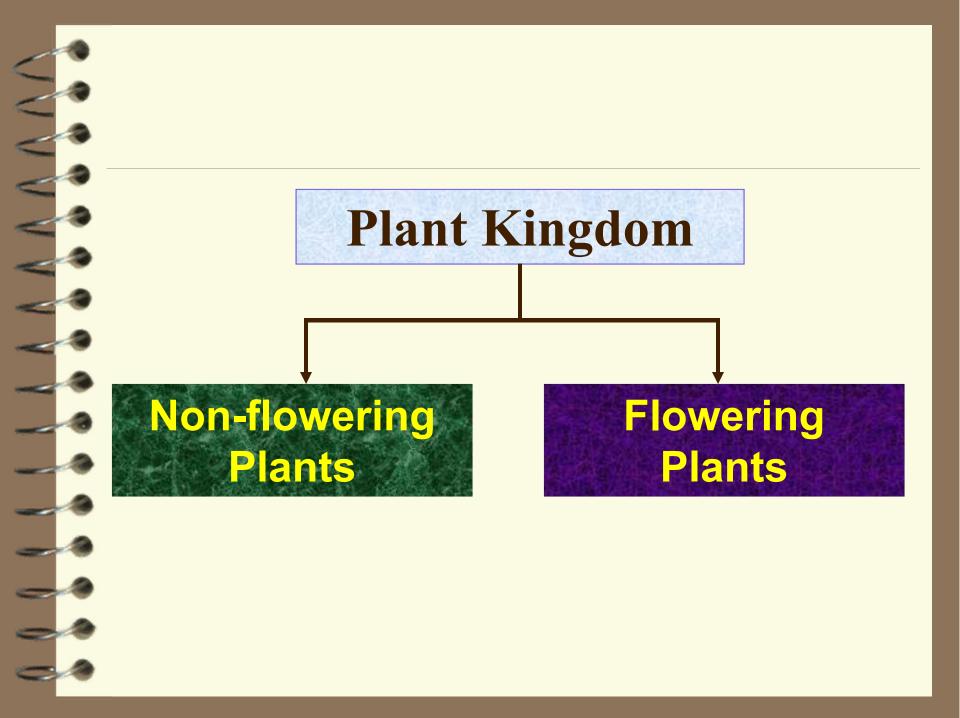
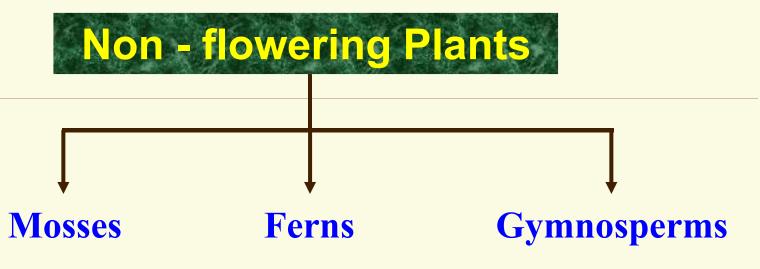
# Plant Groups

Dr. Aveek Samanta Assistant Professor Department of Botany Prabhat Kumar College, Contai, West Bengal, India, 721401

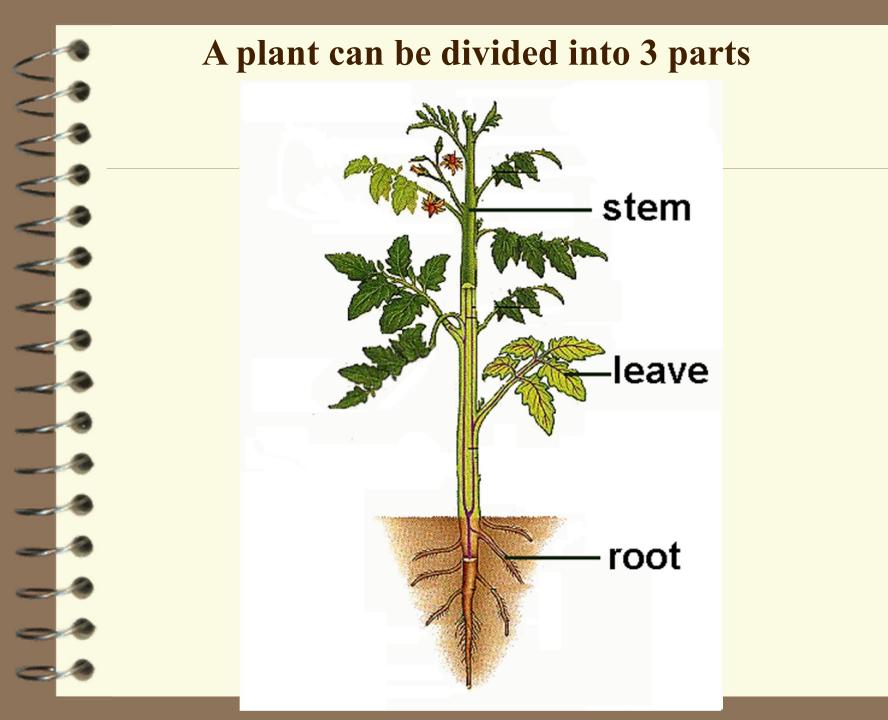




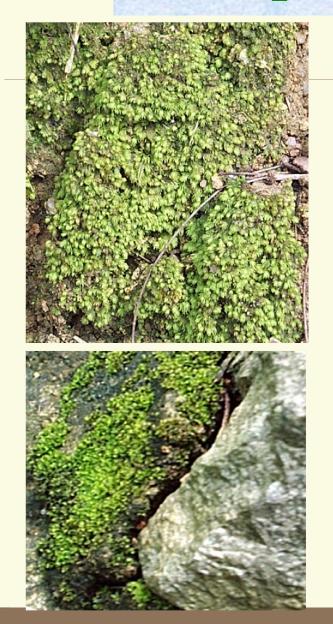
## **3 groups**





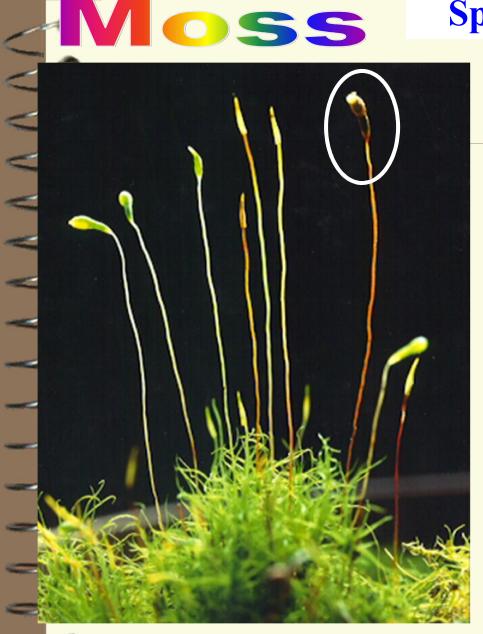


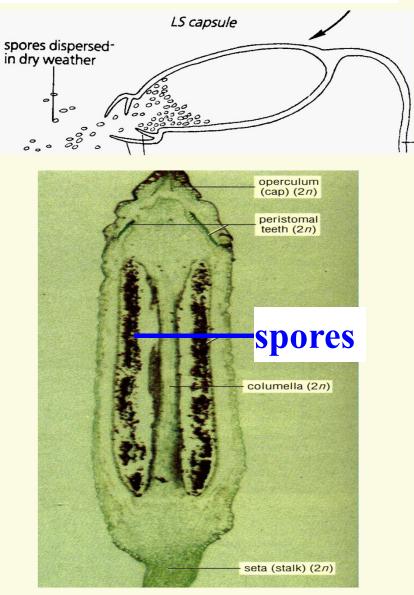
# **Examples of Mosses**





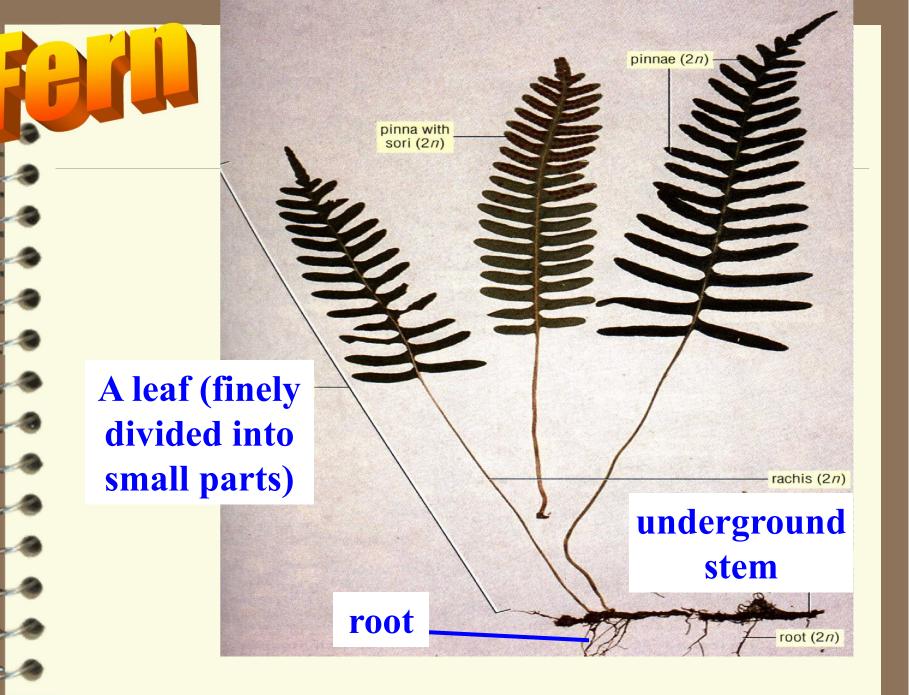
## **Spore-producing capsule**



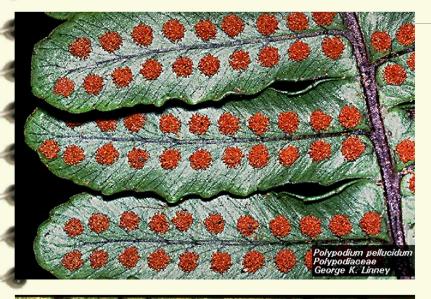


## **Characteristics of Mosses** Simplest plants **No true roots, No vascular tissues (no transport)** Simple stems & leaves **Have rhizoids for anchorage Spores** from capsules (wind-dispersal) female **Damp terrestrial land** rosette blade midrib rhizoids germinat





## spore-producing organs





# (circinate) young leaf





# Characteristics of Ferns

Troots, feathery leaves & underground stems

- **Chave vascular tissues** (transport & support)
- **Spore-producing organ** on the underside of leaves (reproduction)
- Damp & shady places

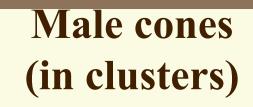




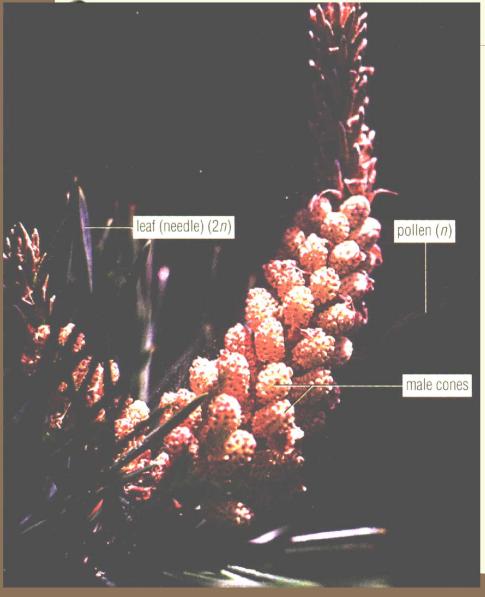
## needle-shaped leaves

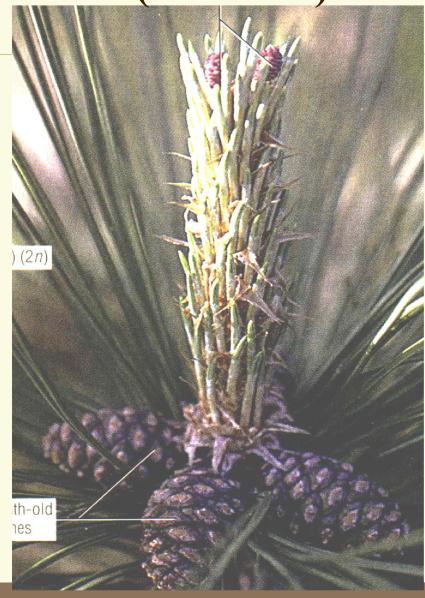






## Female cones (scattered)

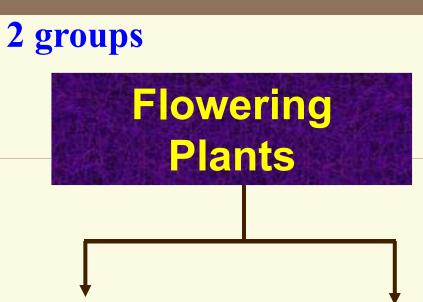




**Mail evergreen trees Proots, woody stems Ineedle-shaped** leaves **Solution vascular tissues** (transport) **Cones** with reproductive structures **Inaked seeds** in female cones **Odry** places



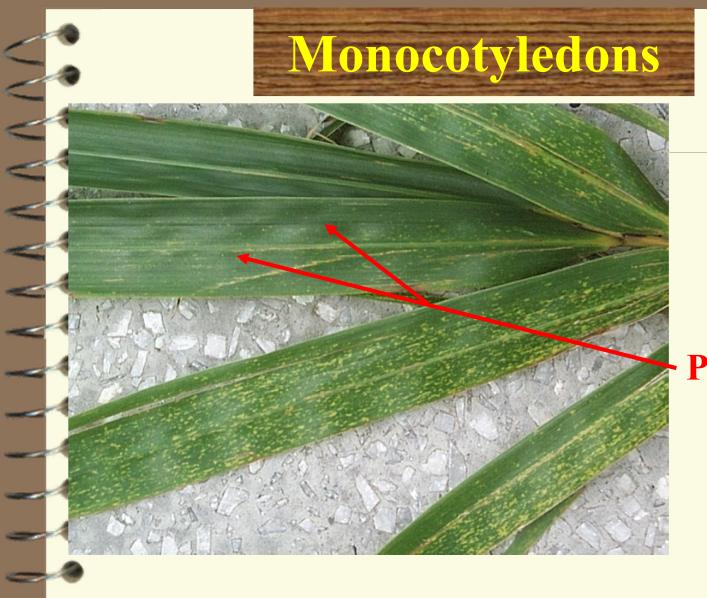




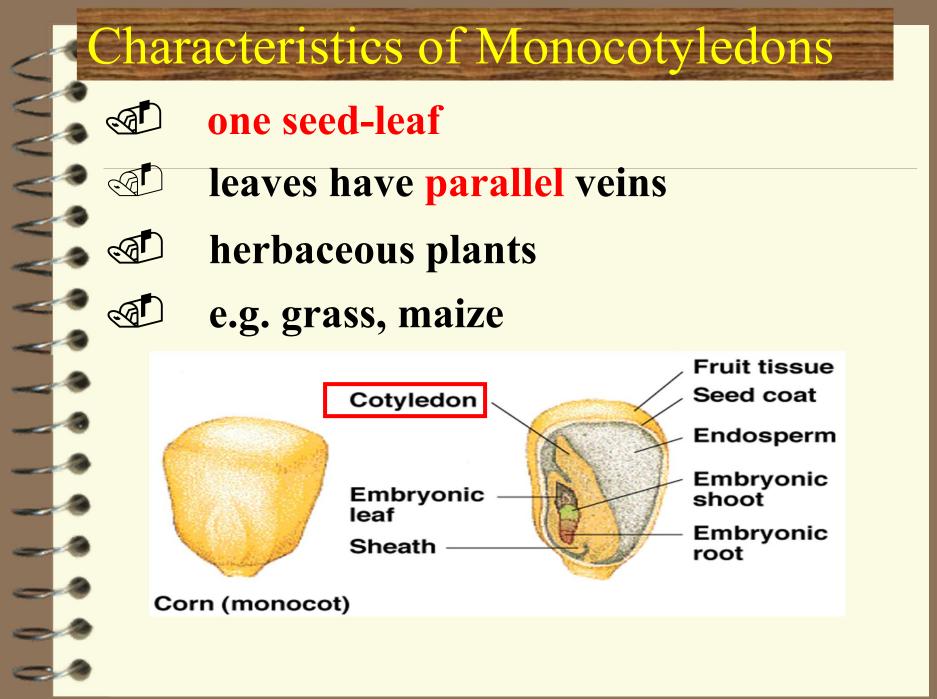


Monocotyledons Dicotyledons

- 🖆 roots, stems, leaves
- **vascular tissues (transport)**
- **flowers, fruits** (contain seeds)



#### • Parallel veins



# Dicotyledons



### Veins in network

