

Curso Botánica Tropical

Jenaro Herrera-Perú

19 de julio al 8 de agosto de 2008

Tema 4:

Identificación de familias tropicales

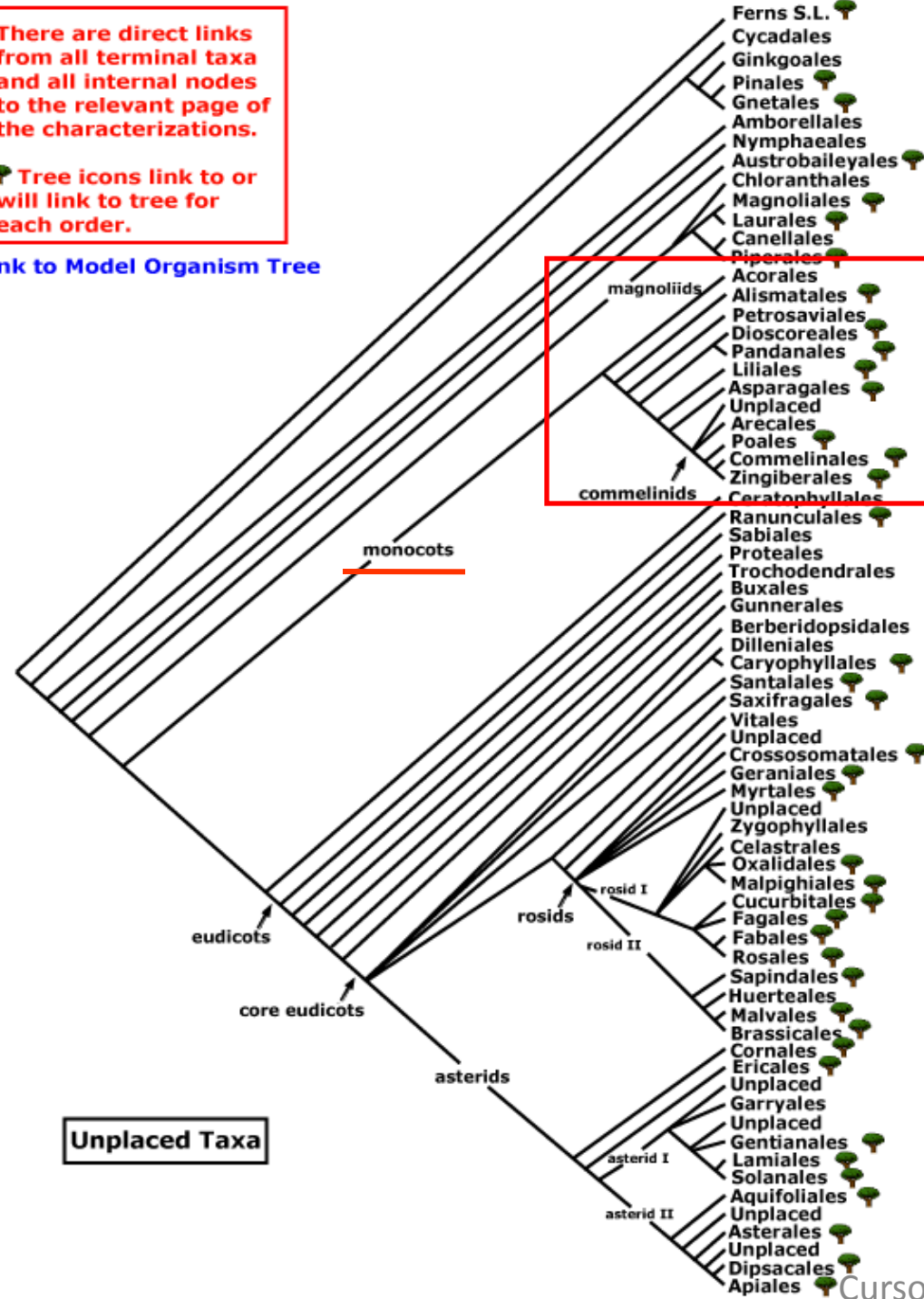
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There are direct links from all terminal taxa and all internal nodes to the relevant page of the characterizations.

Tree icons link to or will link to tree for each order.

Link to Model Organism Tree



Plantas herbáceas, abundantes raíces aéreas, terrestres, raras veces acuáticas, flotantes (*Pistia*).

MONOCOTS

Alismatales

Araceae

Asparagales

Orchidaceae

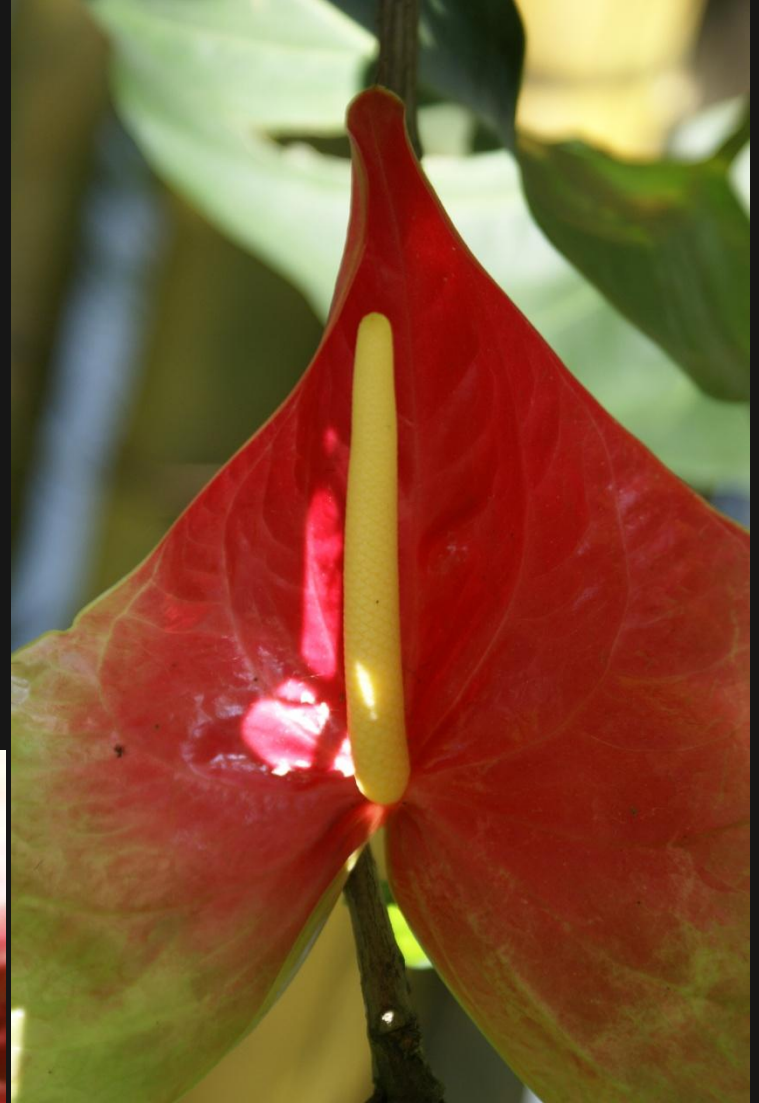
Dioscoreales

§Dioscoreaceae



Hojas: simples alternas, espiraladas o arrosetadas, estípulas





Plantas de gran porte, arbóreas
(acaules) tallo estípite, subterráneo o
epígeo).



COMMELINIDS

Arecales

Arecaceae

Commelinales

Pontederiaceae

Poales

*Bromeliaceae

Cyperaceae

Poaceae

Zingiberales

Heliconiaceae

Marantaceae

Zingiberaceae





Hojas palmado-partidas o pinnado-partidas, venación paralela.



COMMELINIDS

Arecales

Arecaceae

Commelinales

Pontederiaceae

Poales

*Bromeliaceae

Cyperaceae

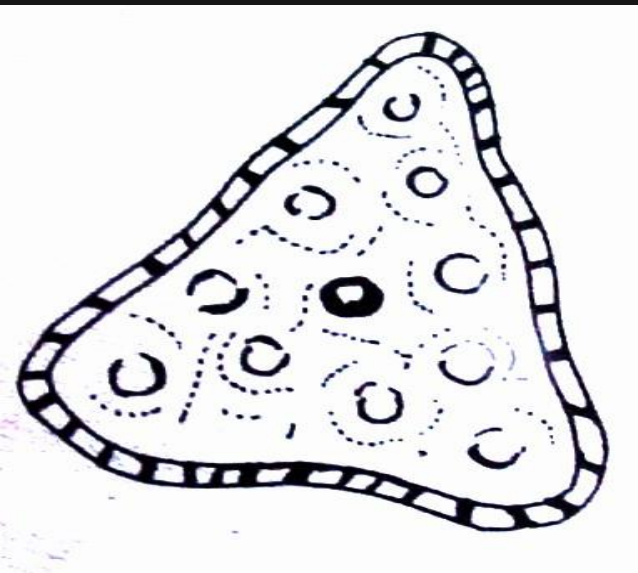
Poaceae

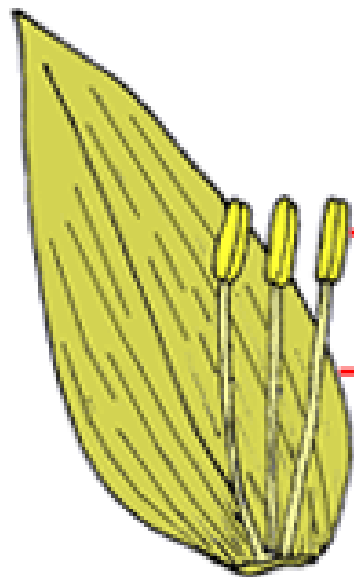
Zingiberales

Heliconiaceae

Marantaceae

Zingiberaceae

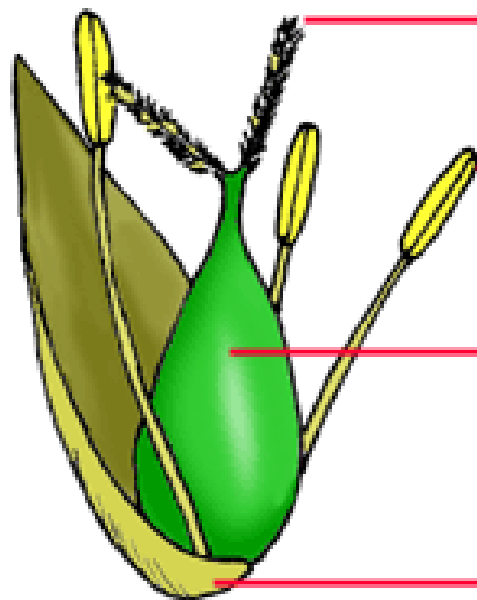
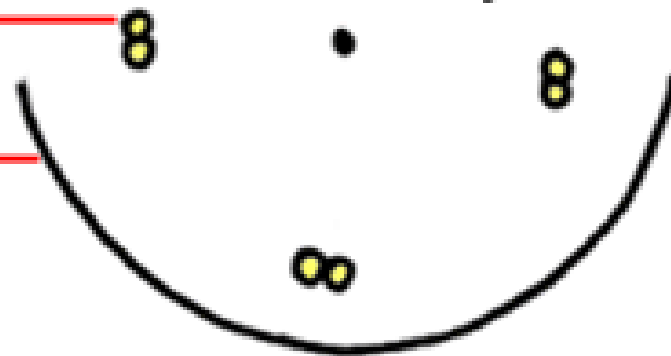




anther

bract

no ovary



stigma

anther of
stamen

ovary of
gynoecium

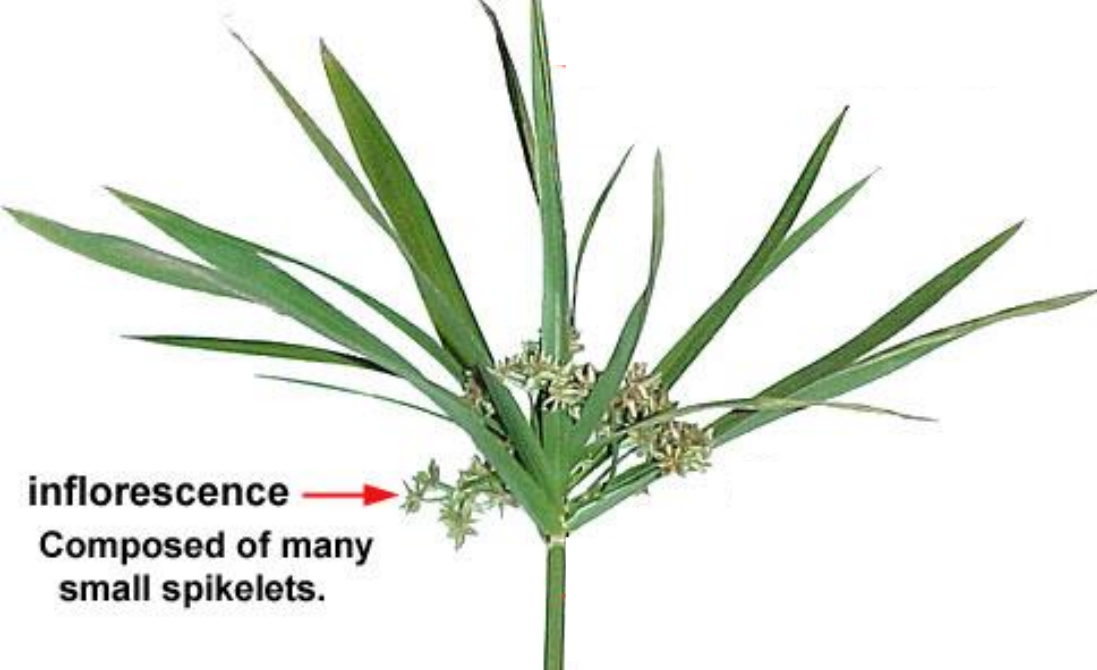
bract (scale)

© E.M. Armstrong 2003



bisexual flower

floral diagram



inflorescence

Composed of many
small spikelets.





COMMELINIDS

Arecales

Areaceae

Commelinales

Pontederiaceae

Poales

*Bromeliaceae

Cyperaceae

Poaceae

Zingiberales

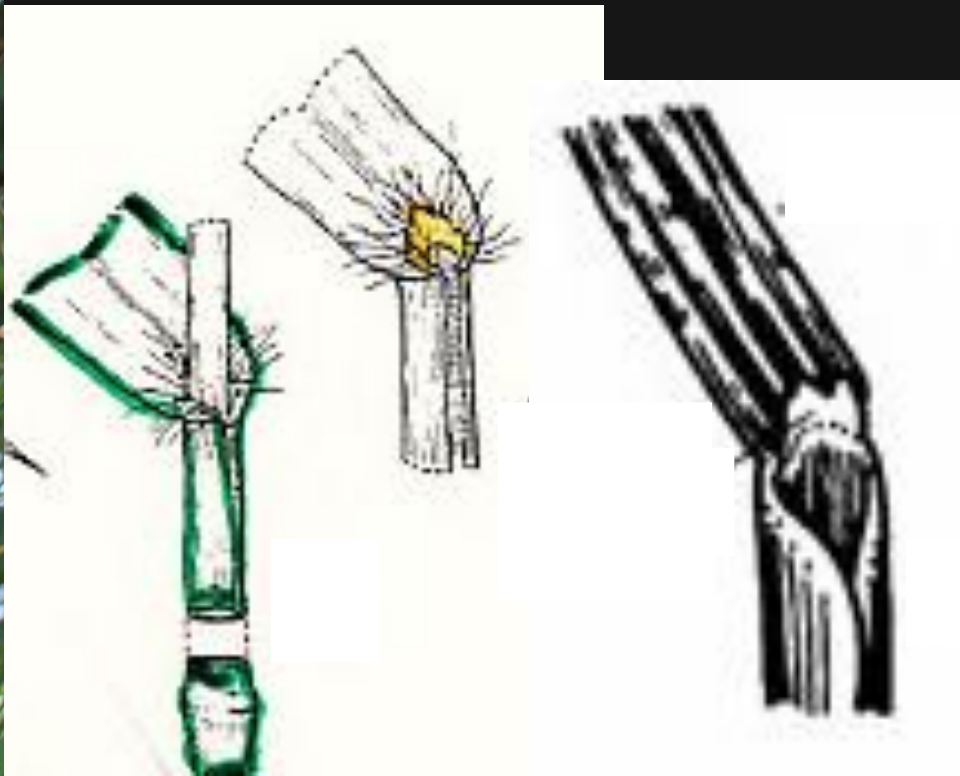
Heliconiaceae

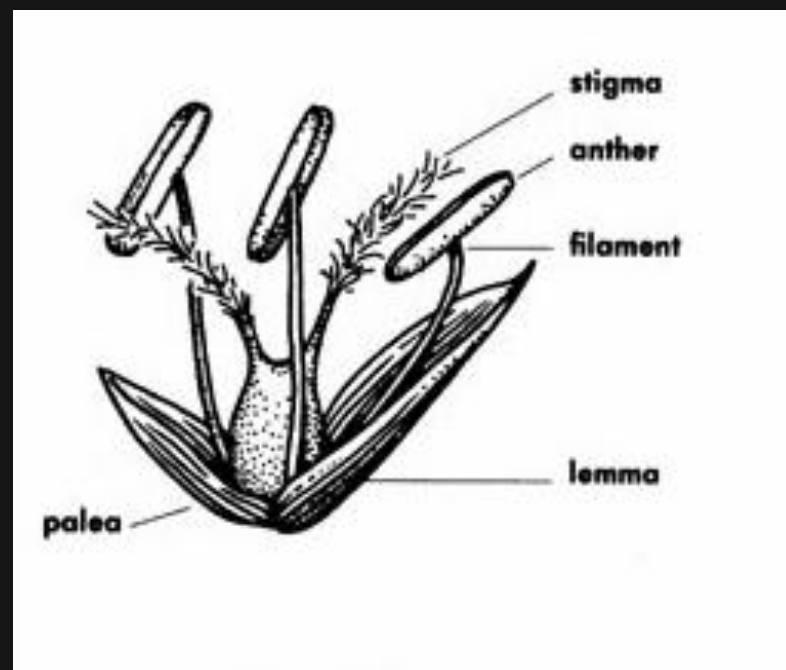
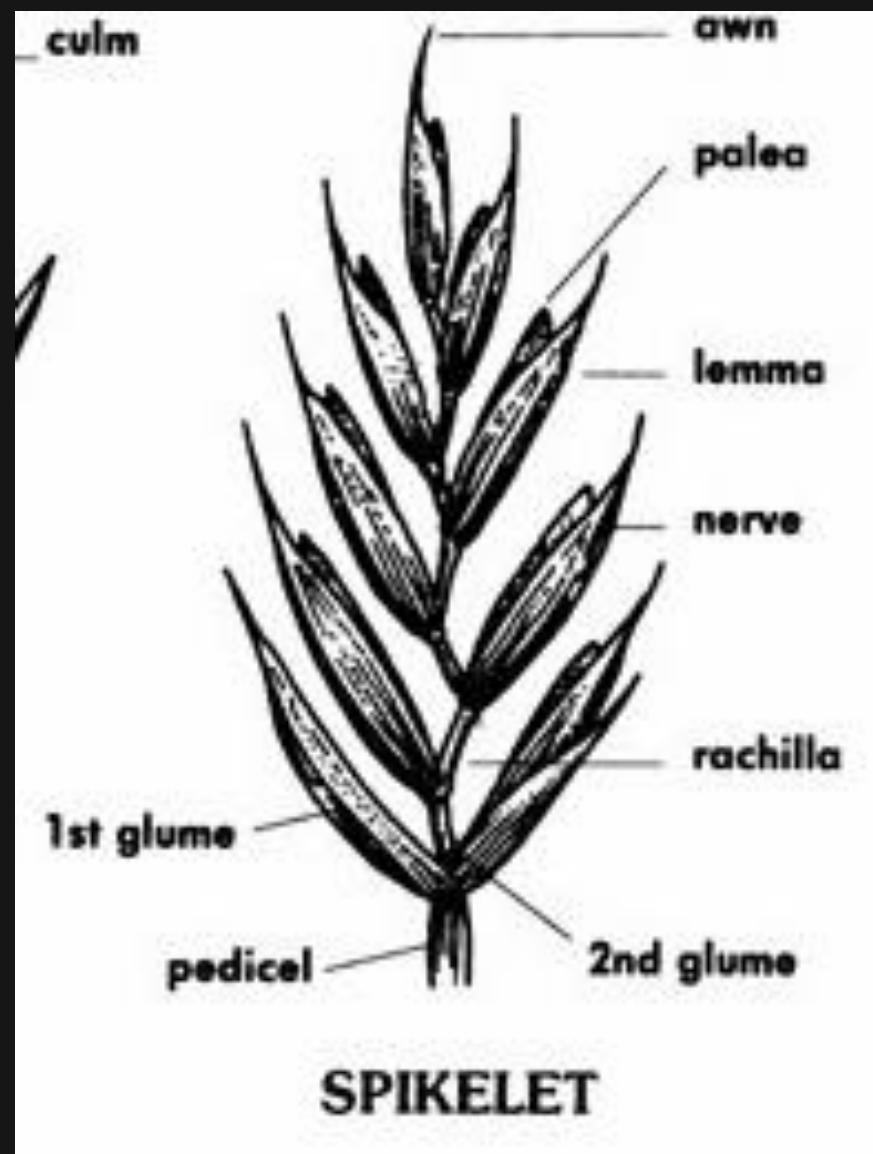
Marantaceae

Zingiberaceae



POACEAE





Zingiberales

Costaceae

Heliconiaceae

Marantaceae

Musaceae

Strelitziaceae

Zingiberaceae

Hierbas perennes con ligula truncada y vaina entera; hojas simples, alternas.



© Kirsten Llamas

Inflorescencia en forma de cono terminal o separada de la planta; flores tubulares, una flor en cada bráctea; fruto tipo cápsula.



Zingiberales

Costaceae

Heliconiaceae

Marantaceae

Musaceae

Strelitziaceae

Zingiberaceae





Zingiberales

Costaceae

Heliconiaceae

Marantaceae

Musaceae

Strelitziaceae

Zingiberaceae

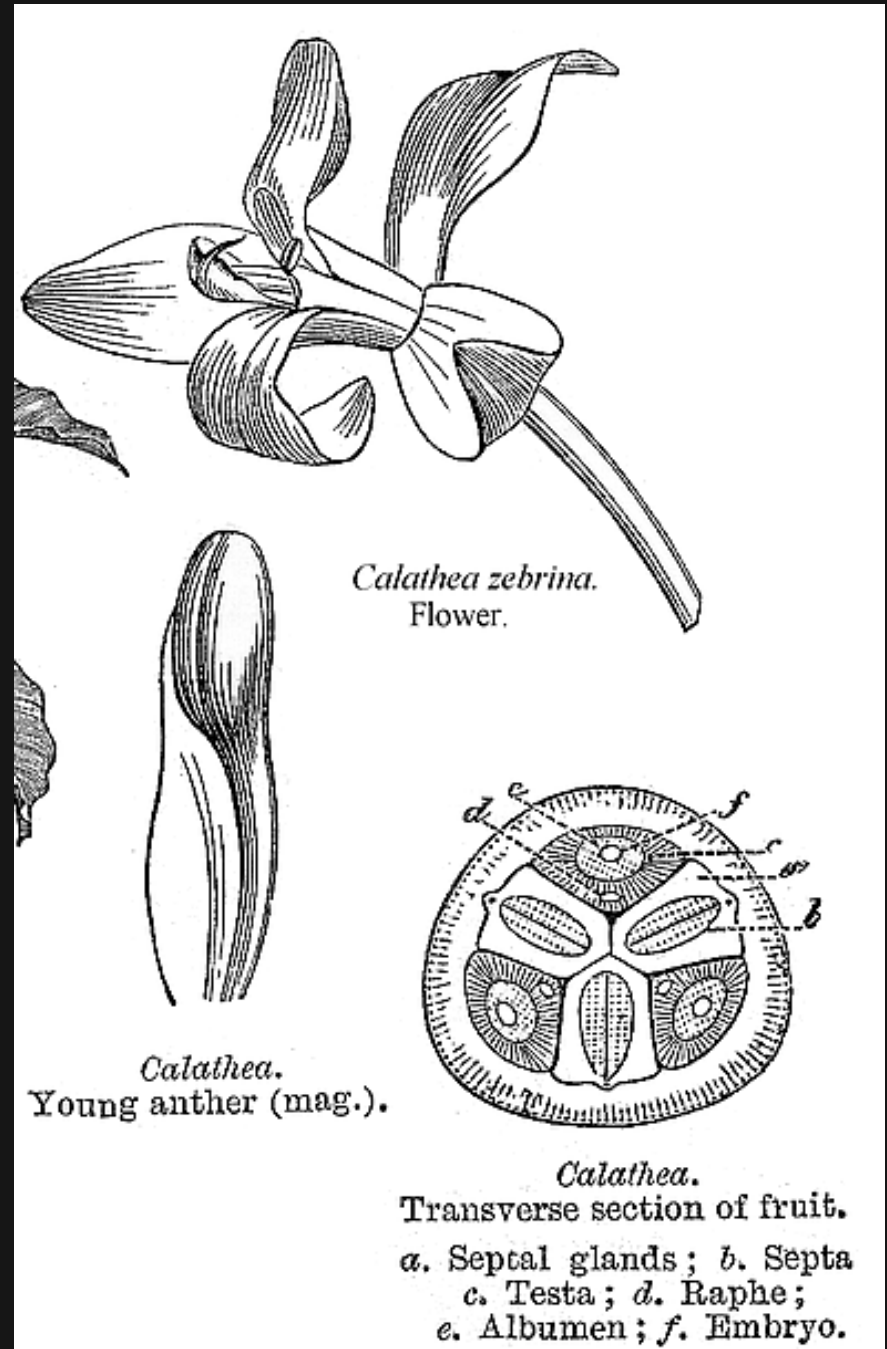
Hierbas, rizomatosas, acaules; hojas simples, alterno dísticas, alterno espiraladas, asimétricas y discoloras, vena central que generalmente no alcanza el ápice de la lámina; peciolo con pulvínulo.





♂/♀, ♂♀%K(3)C3, A1, G ínfero (3)

Inflorescencias cimosas o racemosas, terminales; flores bisexuales; fruto tipo cápsula.



Zingiberales

Costaceae

Heliconiaceae

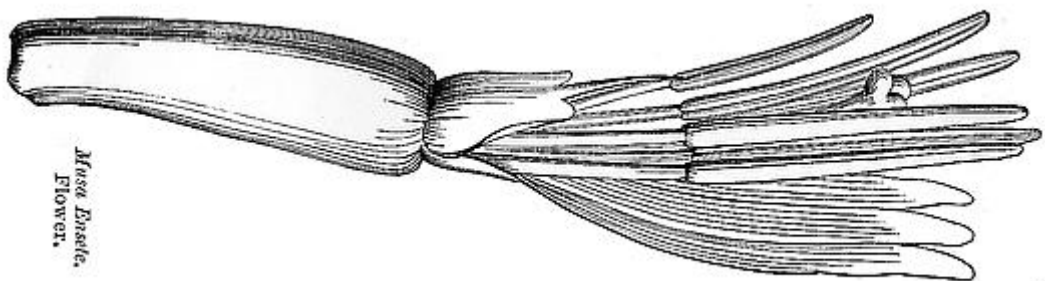
Marantaceae

Musaceae

Strelitziaceae

Zingiberaceae





Zingiberales

Costaceae

Heliconiaceae

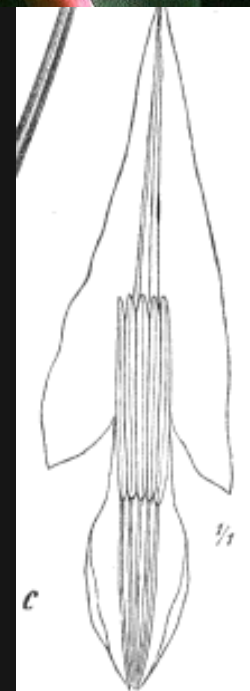
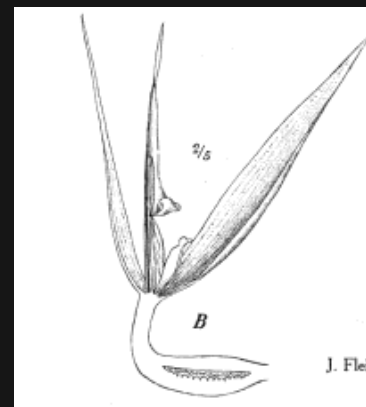
Marantaceae

Musaceae

Strelitziaceae:

Zingiberaceae





Zingiberales

Costaceae

Heliconiaceae

Marantaceae

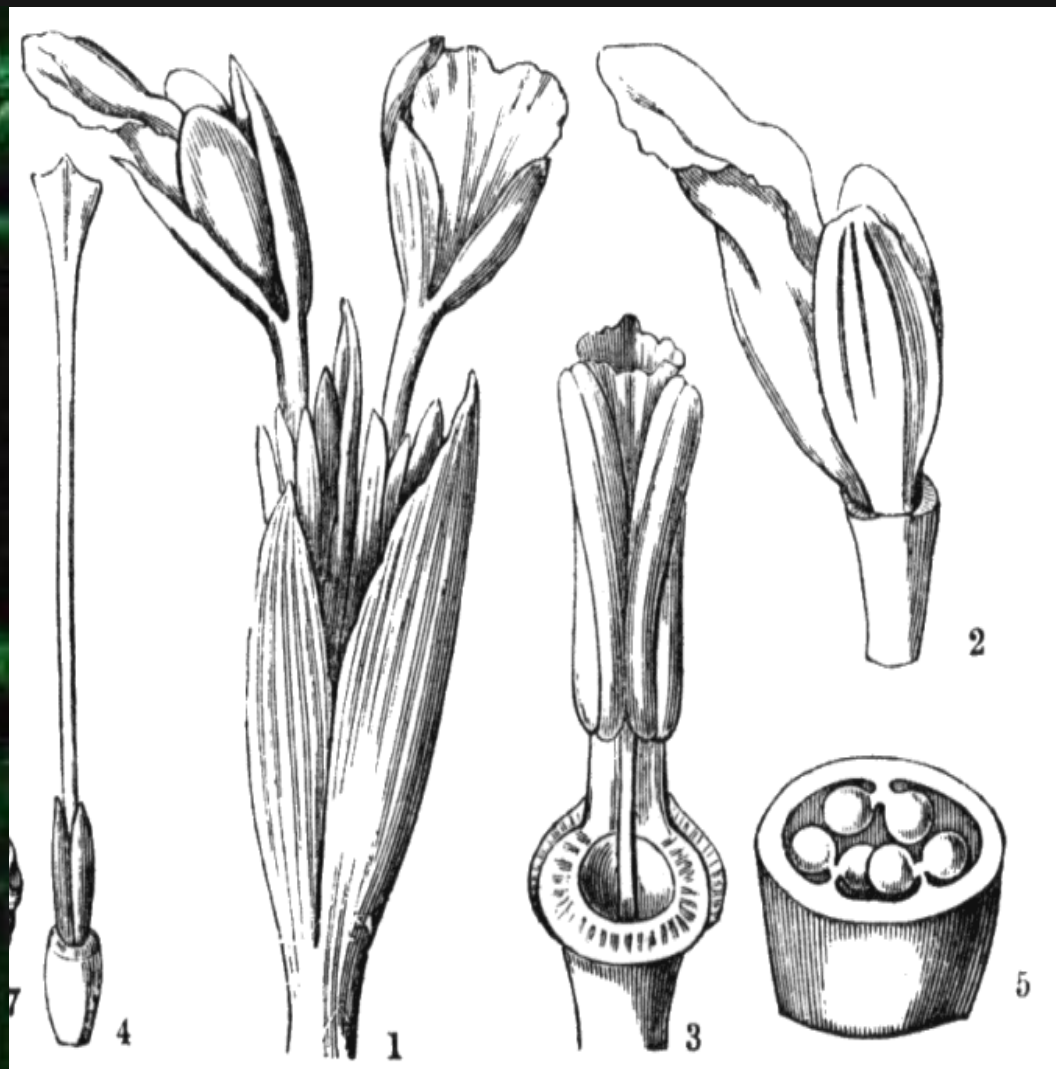
Musaceae

Strelitziaceae

Zingiberaceae



Hierbas erectas con rizoma aromático; hojas simples, alternas, vaina en la base, lígula presente; inflorescencias racemosas, terminales o separadas en la base de la planta.





Muchas gracias...!!!