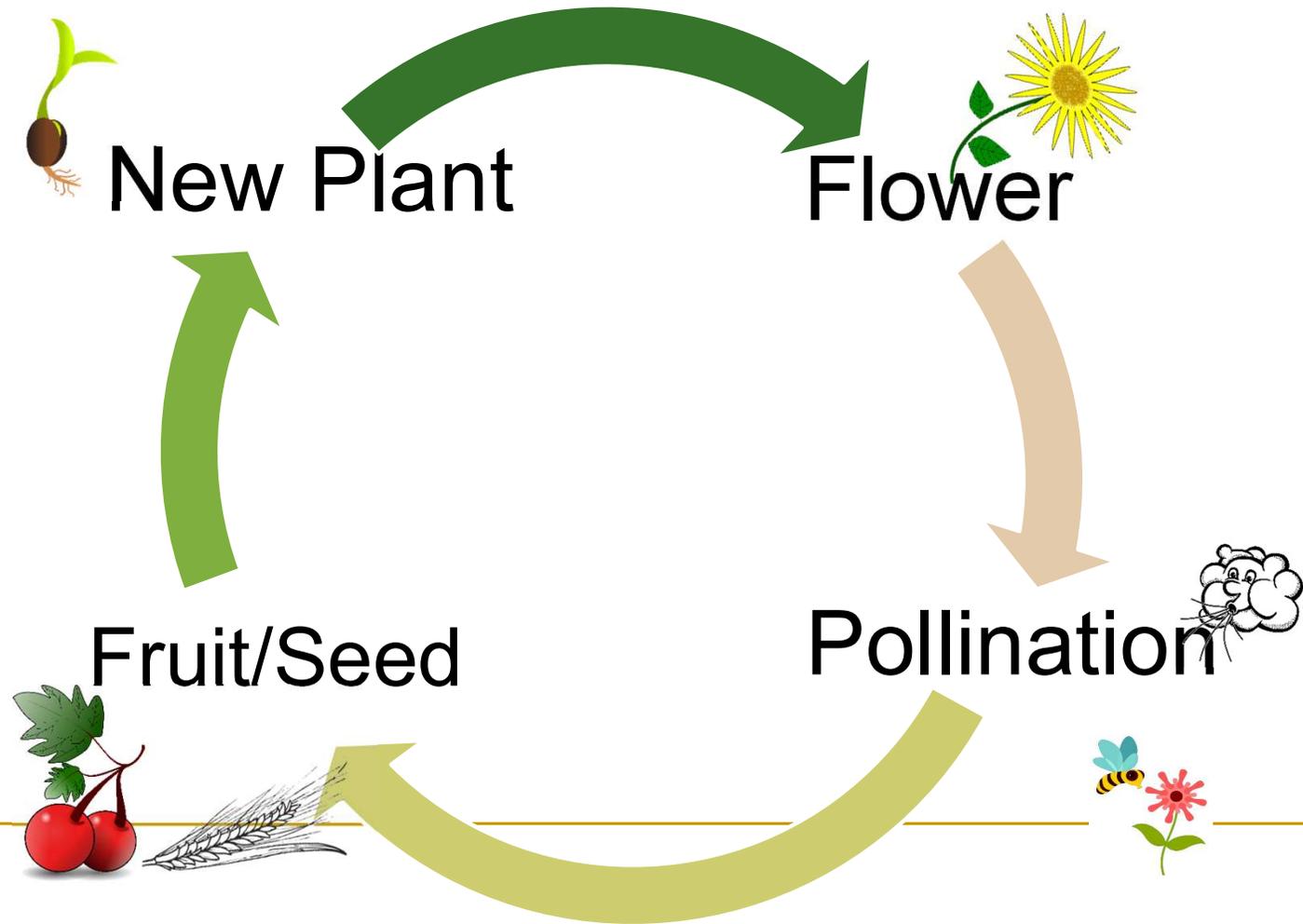

Flower and Inflorescence Types

What you need to know to identify plants

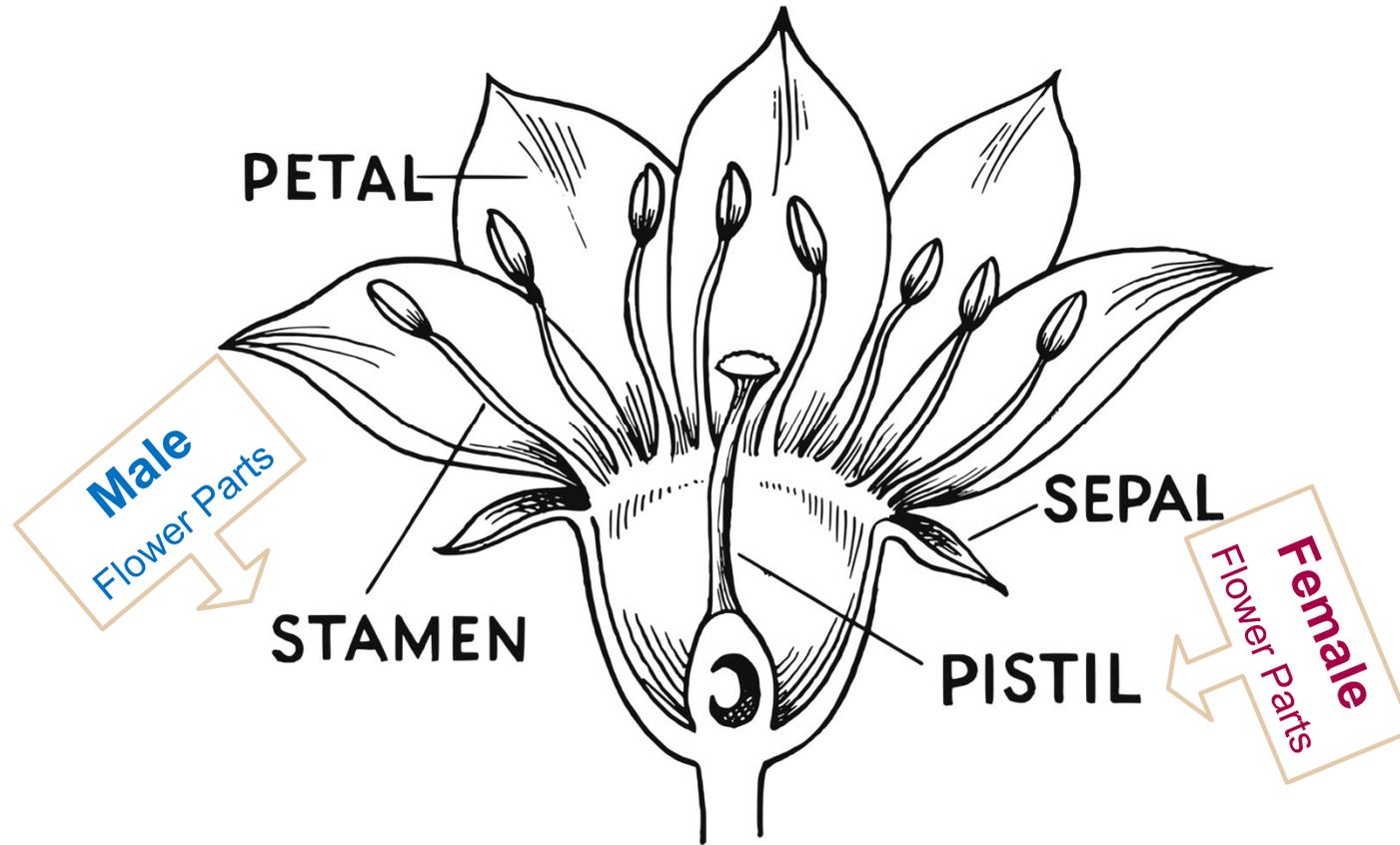
Wildland Plant Identification



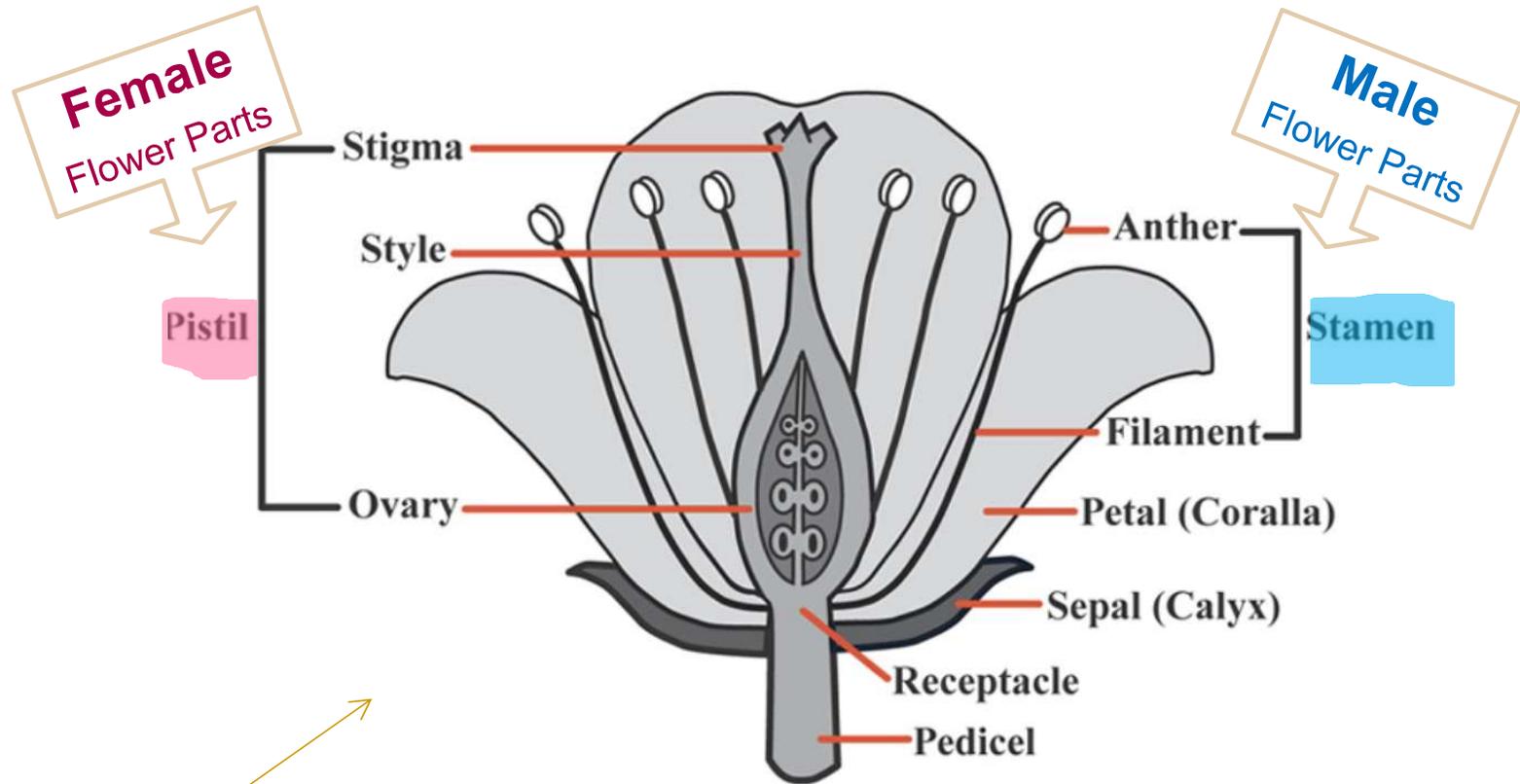
Flowers and Reproduction



Structure of Flowers



Structure of Flowers



PERFECT Flower = includes stamens (♂ or *male*) **AND** pistil (♀ or *female*)

IMPERFECT Flower = has stamens (♂ or *male*) **OR** pistil (♀ or *female*) but not both

Perfect Flowers

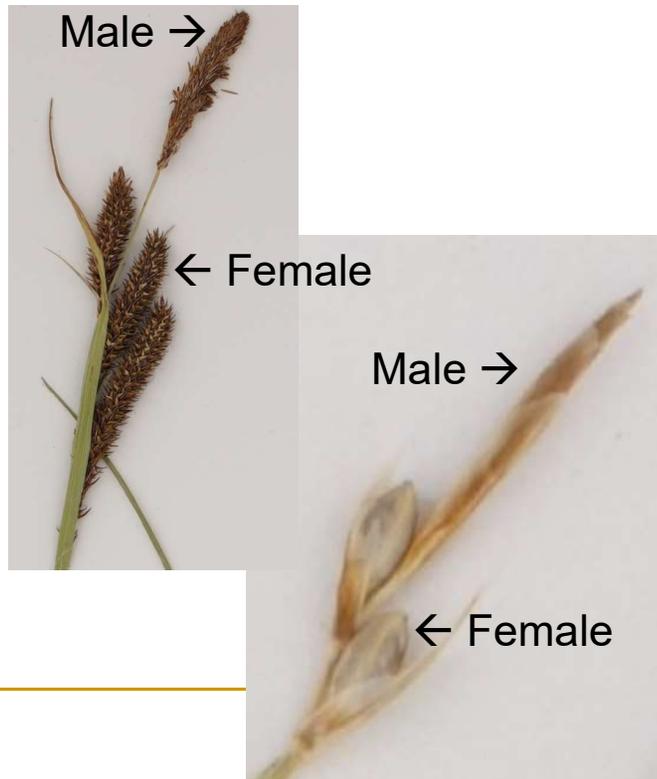


Imperfect Flowers

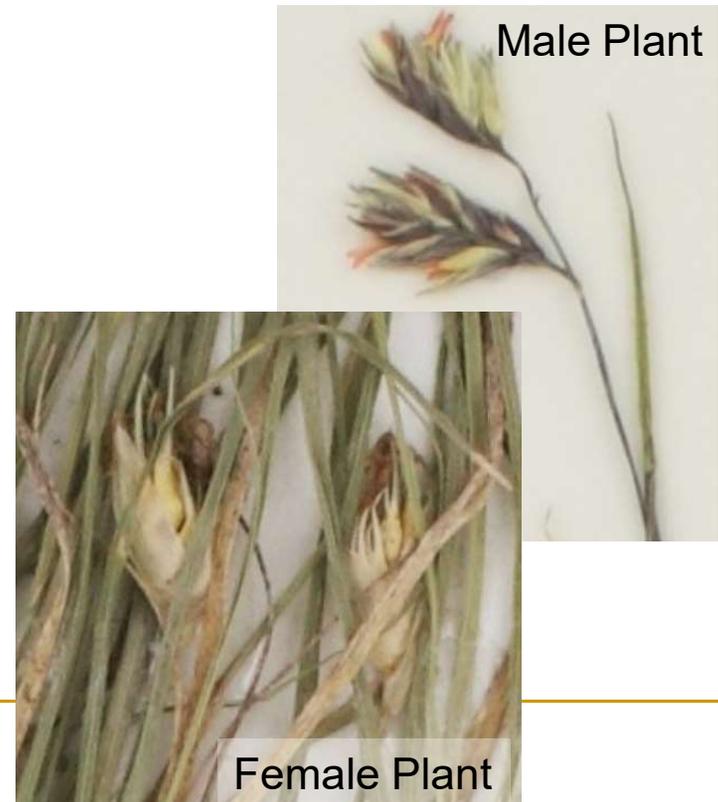
Monoecious - ♂ and ♀ flowers on **SAME** plant

Dioecious - ♂ and ♀ flowers on **SEPARATE** plants

■ Monoecious



■ Dioecious

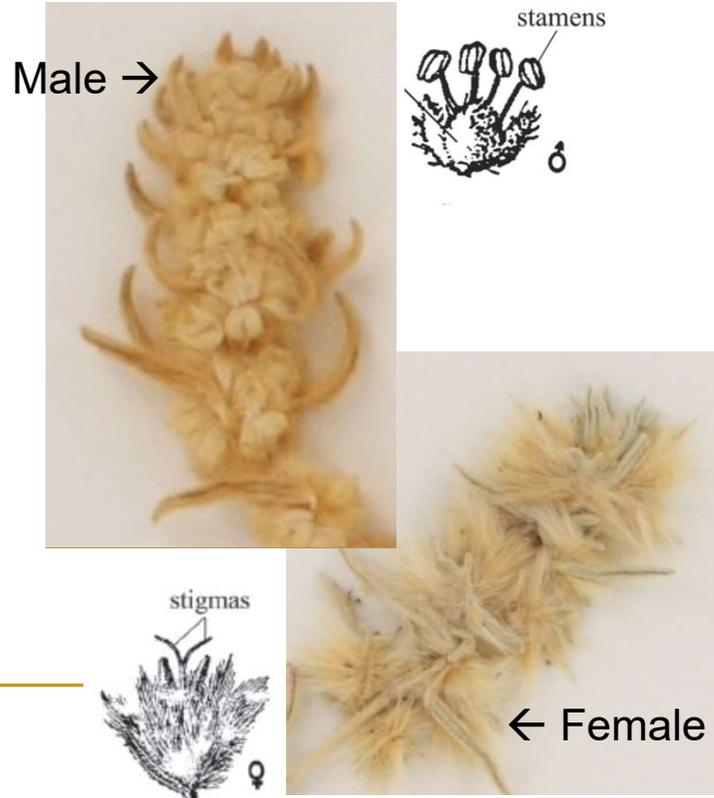


Imperfect Flowers

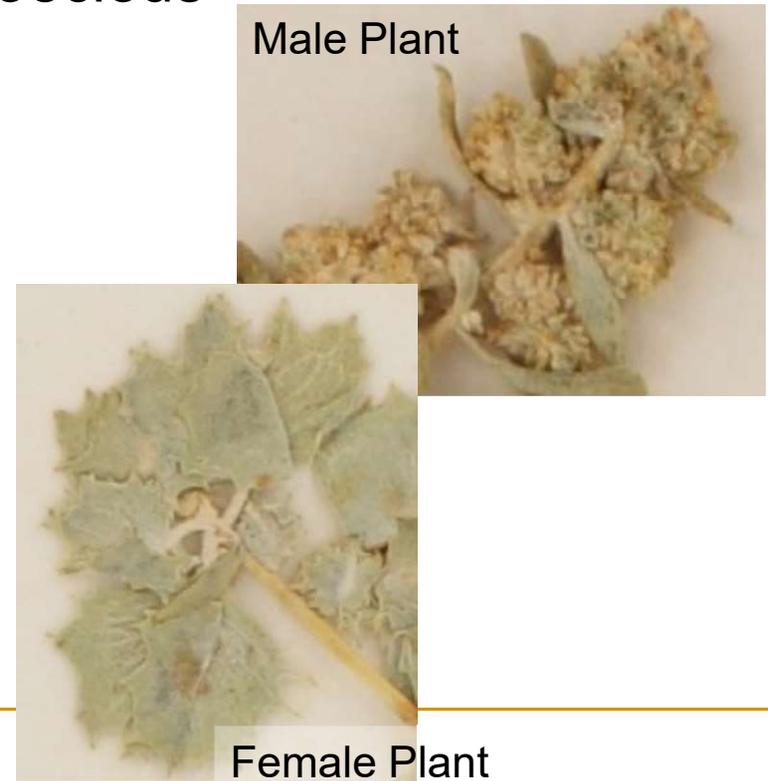
Monoecious - ♂ and ♀ flowers on **SAME** plant

Dioecious - ♂ and ♀ flowers on **SEPARATE** plants

■ Monoecious

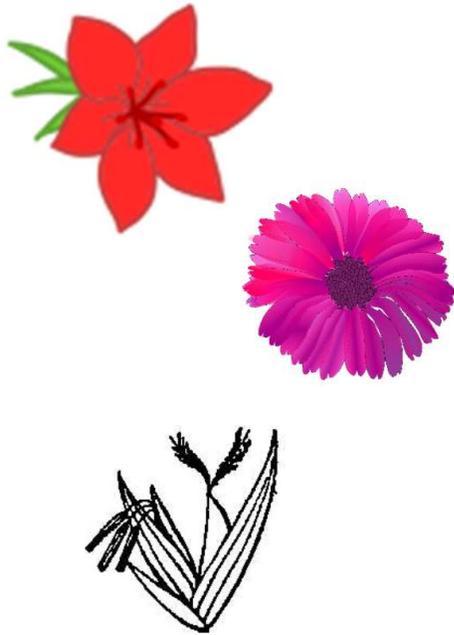


■ Dioecious



Structure of Flowers

- Flower

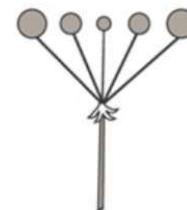
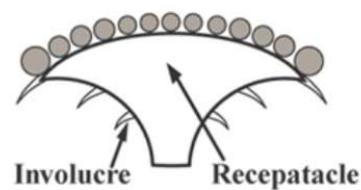
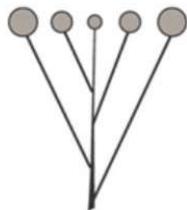
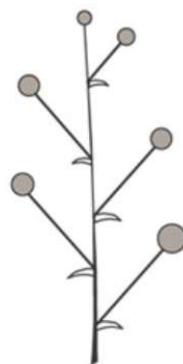
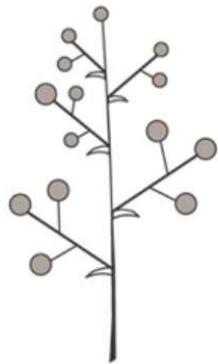


- Inflorescence



Structure of Flowers

- Inflorescence - Group of flowers



Solitary

- Individual flowers on single branch, not in an inflorescence



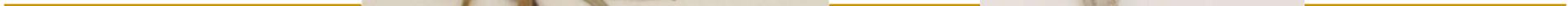
Panicle

- Flowers attached to branching branches



Raceme

- Flowers attached to main stalk with pedicels



Spike

- Flowers connected directly to main stalk



Umbel

- All pedicles (branches for each individual flower) about the same length
 - connect to stalk at same location



Pedicle



This is a compound umbel
(umbel with umbels at the tips)

Corymb

- Raceme with longer (uneven) pedicle at bottom of inflorescence
 - Flowers appear to be at the same height



Corymb = a simple racemose inflorescence that is flat-topped.

Cyme

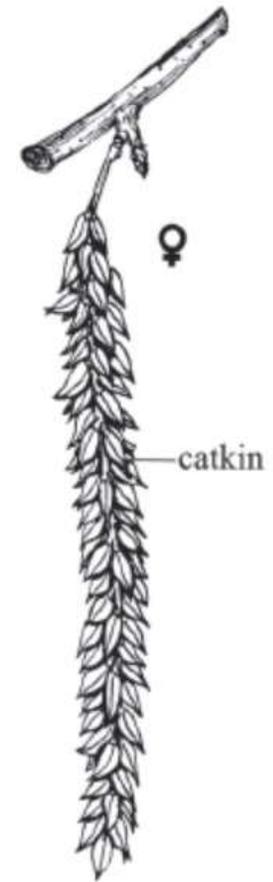
- Oldest flower in center. Younger flowers grow on outside with longer pedicels, so flowers appear to be at the same height.



Cyme - a convex or flat-topped flower cluster with the central flower the first to open.
A determinate inflorescence.

Catkin

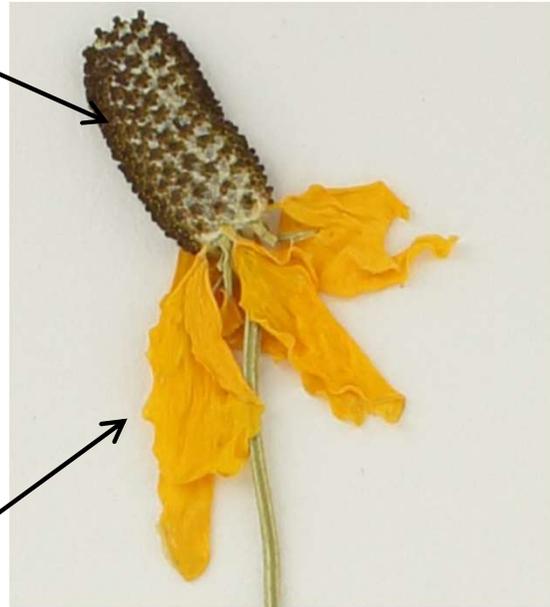
- Dense spike or raceme with many small, usually naked, flowers in a slender drooping cluster.



Composite Head

- Ray and Disk flowers
- Family = Asteraceae (daisy/sunflower family)

Disk Flowers

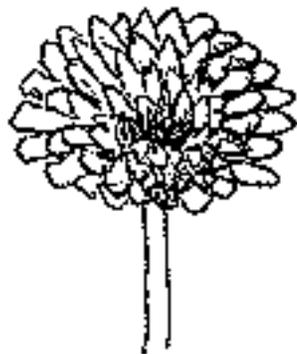


Ray Flowers

Composite Heads



Ray Flowers



Disk Flowers



Ray and Disk Flowers



Flower and Inflorescence Types

What you need to know to identify plants

Wildland Plant Identification

