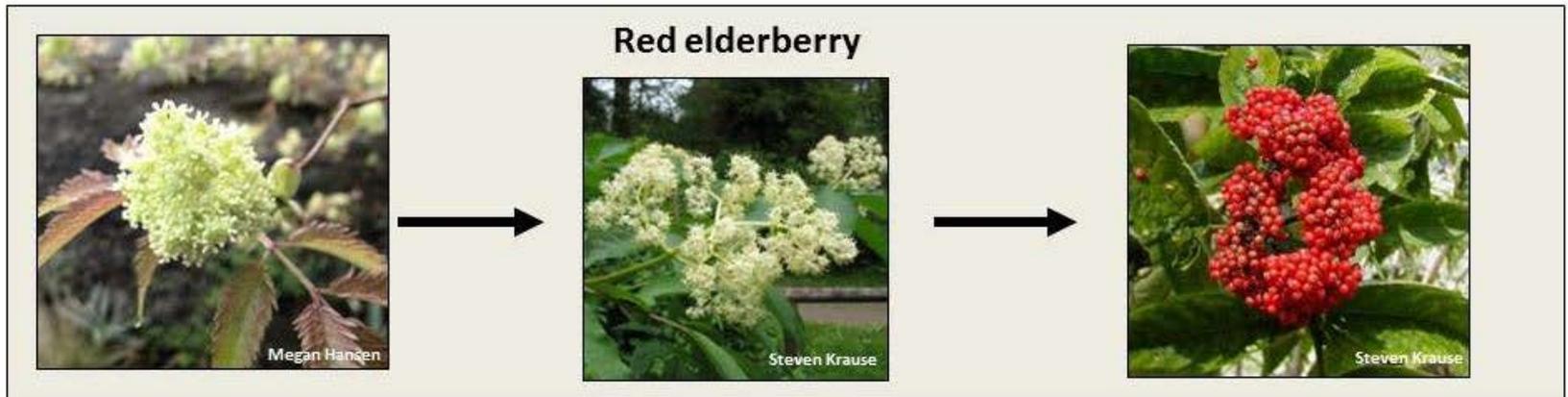
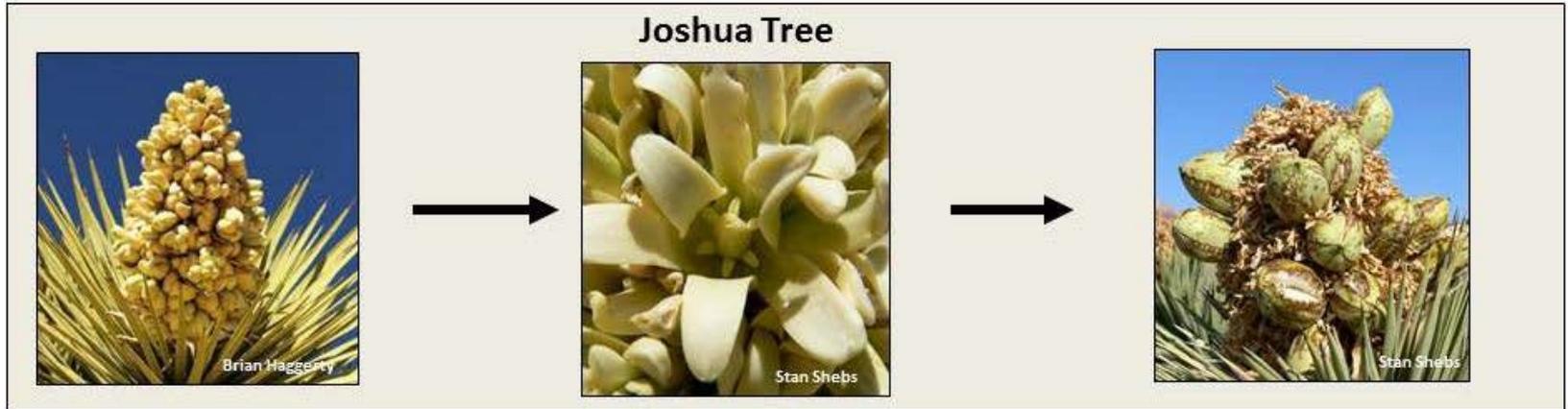


Basic Botany

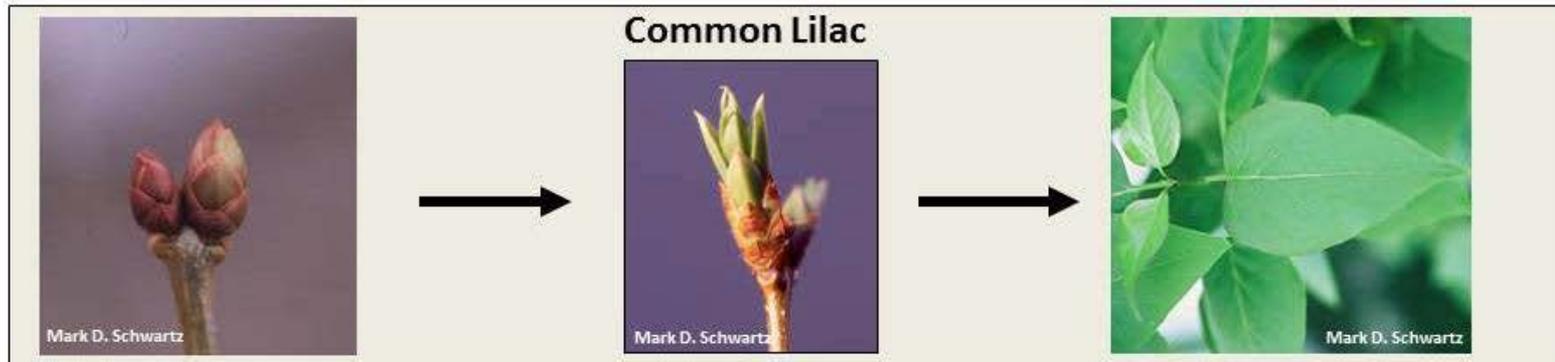
What are the most important events in a plant's life cycle?

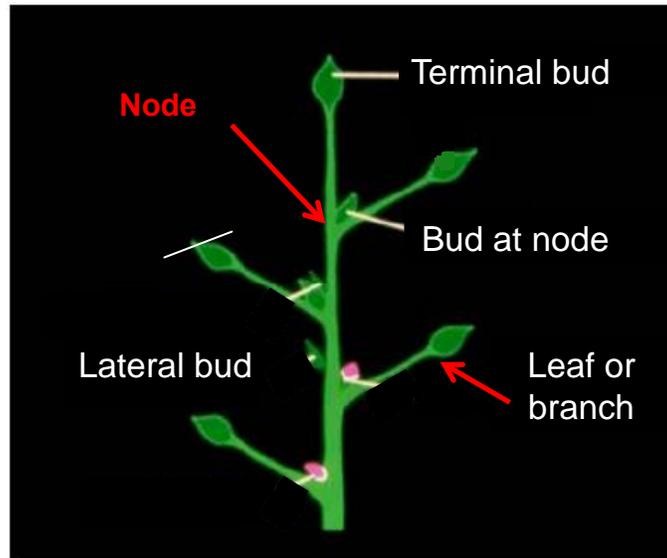
- Seed germination
- Production of new leaves
- Opening of first flowers
- Pollination
- Fruiting
- Seed dispersal

Reproductive buds become flowers



Vegetative buds become leaves





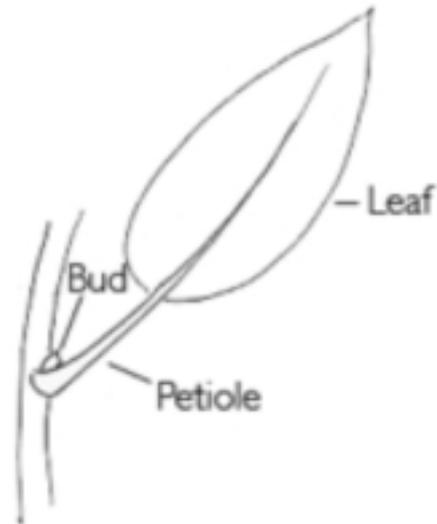
Buds may be found in several locations relative to leaves and stems. Generally, leaves ALWAYS have a bud in their axil, even though it may be very small

The position of a bud, in general, doesn't tell you whether it is going to produce leaves or flowers; you have to keep looking at it over time to see how it develops.

As you become familiar with the “architecture” (the positions of buds, leaves, and flowers) of a given species, you will soon be able to predict whether a bud will open up to produce leaves or flowers, based on its appearance, size, color, and position.

Terminology: Petiole

The stalk that joins a leaf to a stem



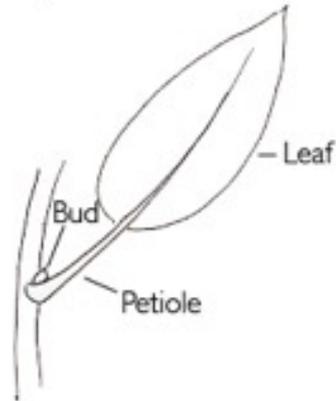
Terminology: Inflorescence

A characteristic arrangement of flowers on a stalk

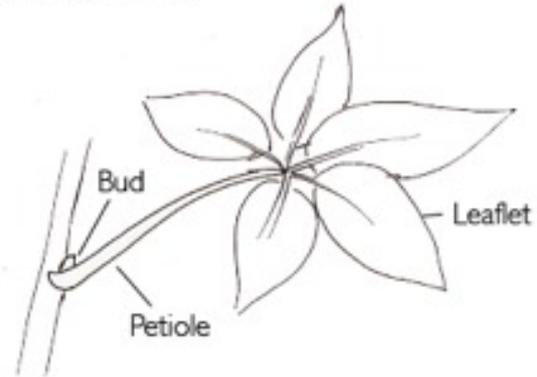


Types of Leaves

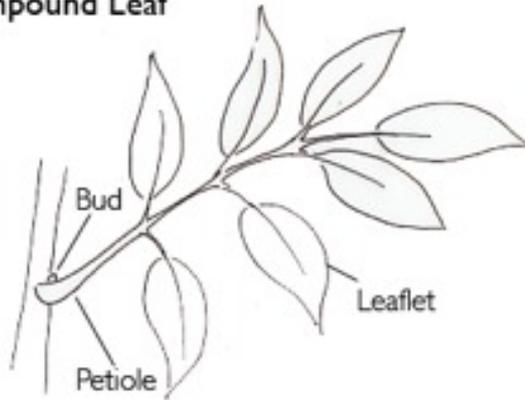
Simple Leaf



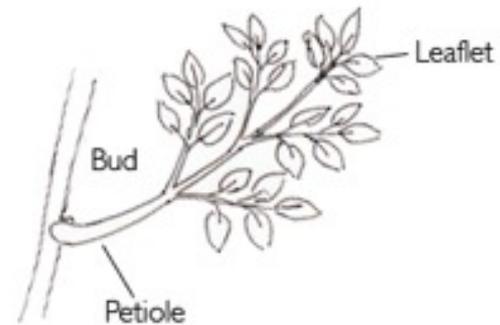
Compound Leaf



Compound Leaf



Doubly Compound Leaf



How do you tell a leaf from a leaflet?
By the presence of a bud near the base of the petiole.

Leaves of some CPP Plants



California Bay



Blue Elderberry



Coyotebrush



California Buckeye

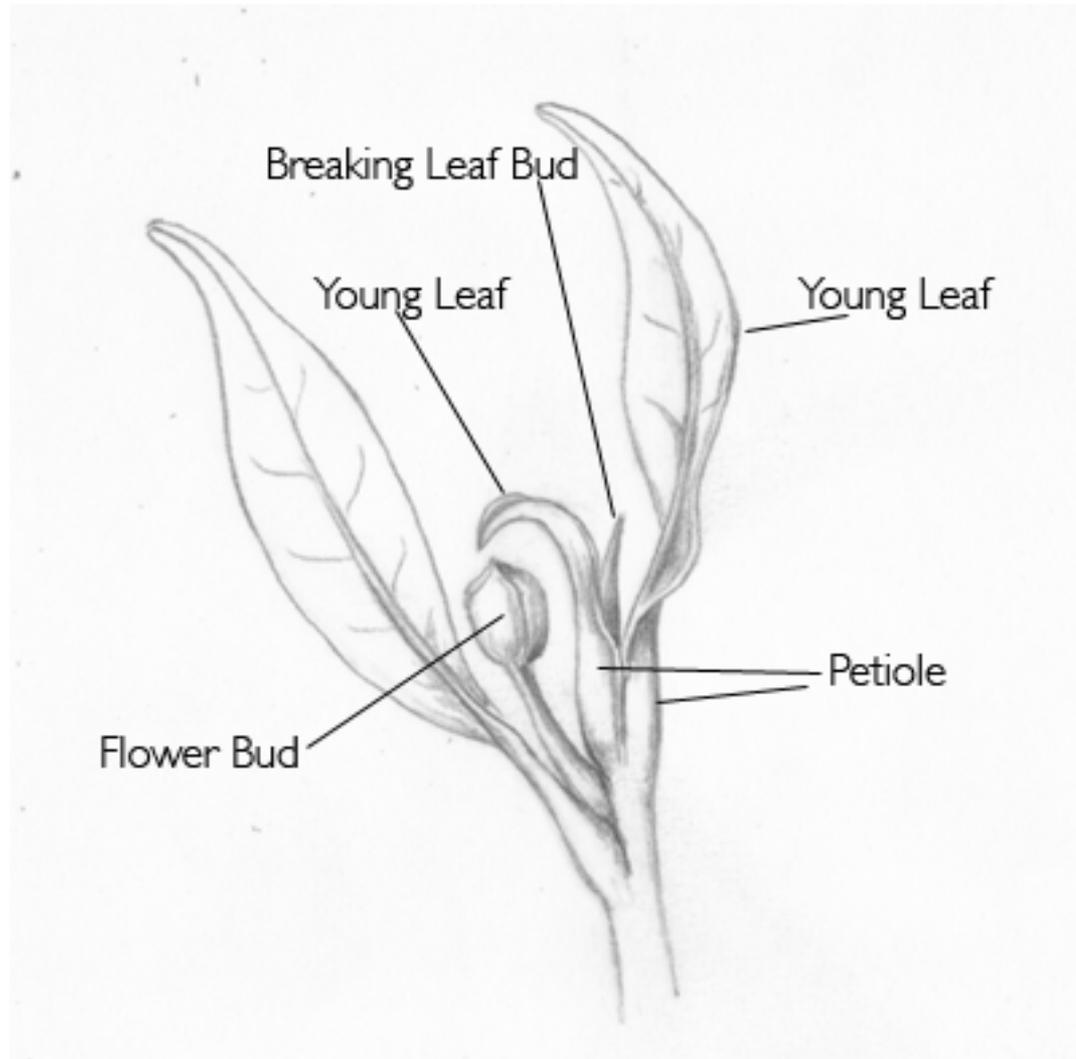
Which are leaves and which are leaflets?
Where is the petiole?

California Bay



What do you see?

California Bay



Some phases of the Blue Elderberry



Blue Elderberry



What do you see?

Blue Elderberry



Can you see a breaking leaf bud?

Do you see any petioles?