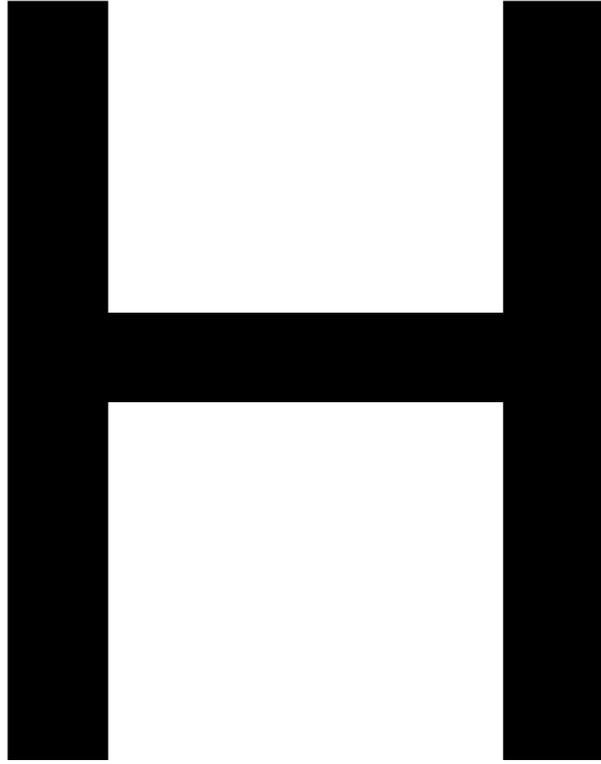


**P**

## Petiole:

The stalk of a leaf,  
that attaches the leaf  
blade to the stem.



## Hummingbird:

Find a hummingbird, an active individual, at your site. What is the hummingbird doing?

What species is it?

Can you estimate the next life cycle event it will move through in the next few weeks?

**E**

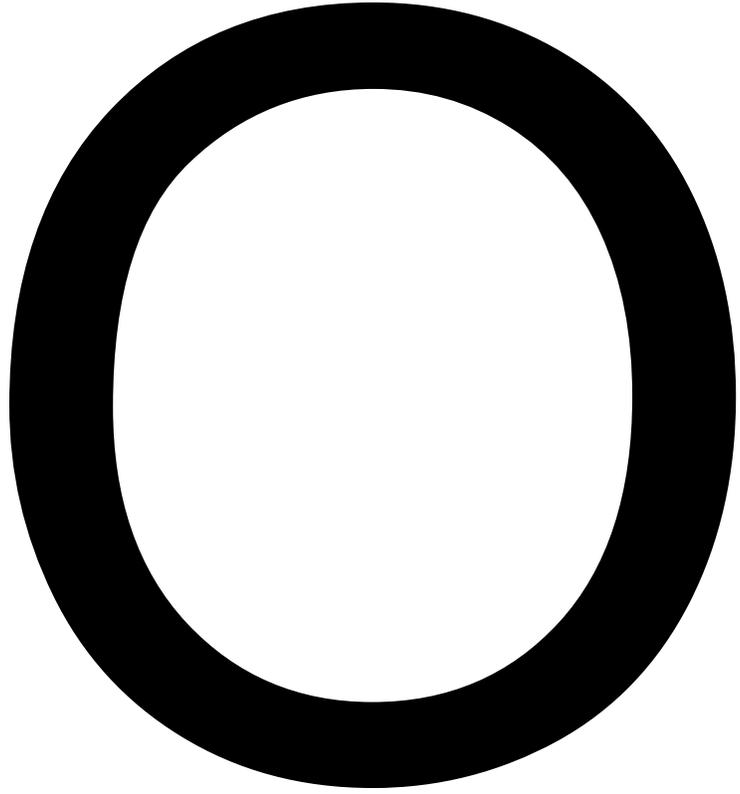
## Eating:

Find an insect that is feeding on a plant in the garden. What is that insect? What life cycle is it exhibiting now? What comes next?

**N**

## Node:

Where growth begins  
on stem -- leaf node.  
Try to find a leaf node  
(you may notice a  
slight swelling or knob  
where leaves will  
soon emerge) in the  
garden.



## Open Flowers:

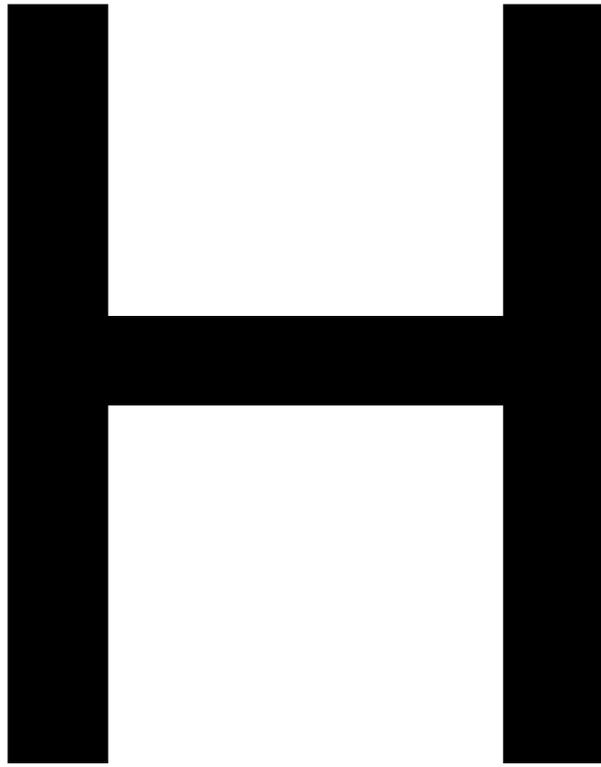
Find a plant that has open flowers. What is the plant species?

How is this plant and phase important to the ecosystem?

P

## Pollen Release:

Find a plant that has, or will have, pollen released from it. If the flowers are open now, how much pollen is being released? If they are not open now, when during the year do you think this phase will occur for this plant?



# Height:

Find a deciduous tree that is at least 40 feet in height.

How tall do you estimate this tree to be? How full is its canopy?

**A**

## Access:

How do plants receive water on site? Would there be a difference in phenology if the plants were not receiving regular water from human intervention? What do you think the difference in timing might be?

**S**

## Singing individuals:

Listen for and find a bird that is engaging in song. Singing refers to stereotypical, simple or elaborate vocalizations (most commonly by males) used as part of territorial proclamation or defense, or mate attraction. It does not include relatively simple calls used for other forms of communication. Can you identify the bird?

**E**

## Emerging leaves:

Find 2 examples of plants with emerging leaves from a breaking bud. Leaf emergence occurs at the beginning of the plant's growing season. What are the plant species you found?