

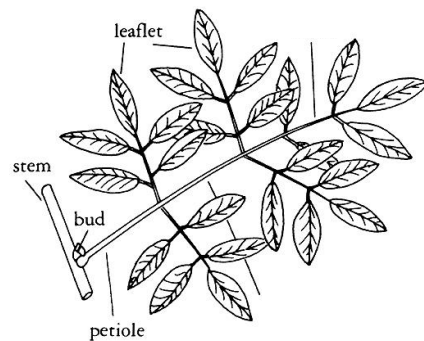
DHS PLANTS QUESTION PACKET

You will be going around the school, listening to the podcast recordings that match the plant numbers in this packet. Online information: www.peevyhouse.com/dhsplants/

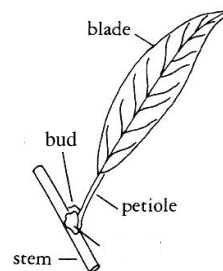
To get the audio tour: search for “DHS Plants” on your phone’s Podcast App... subscribe and listen.

Rules:

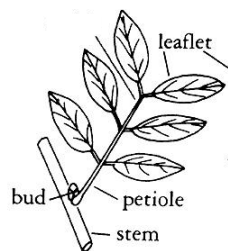
1. **You must wear your ID badge at all times.**
2. **Be polite and quiet as you travel...** your independence is a privilege not a right.
3. **You will only be working on this project...** nothing else.
4. **This is essentially an individual project.** You may discuss the plants in passing, but you will *never* copy information from another person’s packet. You will both receive a zero if you do... no second chances. Integrity at all times.
5. **You will need to identify all of these plants by the end of the project...** so don’t just “go through the motions.”
6. **You will be checking in** with the teacher at prescribed times to get your work checked.
7. **Use of phones is restricted to project-specific tasks.** Period.
8. **Anyone who fails to follow these rules** will not be allowed to do this project during class time ...to the detriment to their grade.



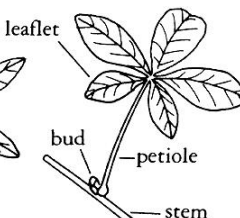
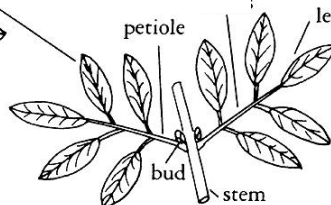
Bipinnately compound



Simple



Pinnately compound



Palmately compound

Name _____ Period _____

On the right side of the page, sketch the leaf of each plant and label it as simple, pinnately compound, bipinnately compound, or palmately compound. Classification= Angiosperm; monocot or dicot... Gymnosperm; conifer, ginkgo, cycad, etc.

Plant # 01 African Sumac

SKETCHES

- Classification:
- Evergreen or deciduous?
- Is this a male or female tree? Why?
- This tree is native to:

Plant # 02 Ornamental Pear

- Classification:
- Scientific name:
- Evergreen or deciduous?
- What color do the leaves turn in the fall?
- Is the fruit edible? Explain.

Plant # 03 Bay

- Classification:
- Evergreen or deciduous?
- This tree is native to:
- Although this is actually a different variety than the Bay Laurel, what are some uses of the Bay tree?
- Where does the word *poet laureate* originate?

Plant # 04 Valley Oak

- Classification:
- Evergreen or deciduous?
- This tree is native to:
- What characteristic of the leaves is a dead giveaway that it is a Valley Oak?
- Describe the fruit of this kind of tree.
- What are the round balls found all over the branches?

Plant # 05 Hackberry

- Classification:
- Evergreen or deciduous?
- This tree is native to:
- Describe the fruit.
- What causes this tree to be a messy problem in Davis?

Plant # 6 Star Jasmine

SKETCHES

- Classification:
- Evergreen or deciduous?
- Smell the flowers. Draw one.
- Why is the common name misleading?

Plant # 07 Chinese Tallow

- Classification:
- Evergreen or deciduous?
- This tree is native to:
- What is the “tallow?”
- Why is it also called the Popcorn Tree?

Plant # 8 London Plane Tree

- Classification:
- Evergreen or deciduous?
- This tree is a hybrid between _____ x _____
- Can you see any fruit?
- How big can they get?
- How old can they get?

Plant # 09 Abelia

- Classification:
- Evergreen or deciduous?
- Draw a flower.
- How are the leaves arranged on the branch?
- Why do you think this plant is used extensively on the campus?

Plant # 10 Cotoneaster

- Classification:
- Evergreen or deciduous?
- What color are the flowers?
- What pollinates them?
- Describe the bottom of the leaves.
- What use does this shrub have?

Plant # 11 Lady Banks Rose

- Classification:
- Evergreen or deciduous?
- What color are the flowers?
- Why are there none present?
- How big can this plant get?

Plant # 12 Rosemary

- Classification:
- Evergreen or deciduous?
- Pick a leaf and smell it. What is it used for?
- What color are the flowers?
- What is this considered a Mediterranean plant?

Plant # 13 Deodar Cedar

- Classification:
- Evergreen or deciduous?
- This tree is native to:
- Describe the needles and branches.
- What other trees on campus are conifers?

Plant # 14 Creeping Fig

- Classification:
- Evergreen or deciduous?
- Is this fig fruit edible?
- Describe its growth habit on the wall.
- What is a topiary?

Plant # 15 Cork Oak

- Scientific name:
- Classification:
- Evergreen or deciduous?
- Press on the bark of the tree.
- What are some commercial uses of this tree?
- What does the fruit look like?

Plant # 16 Ivy

SKETCHES

- Look for the green and red leaved plant growing on the wall/seat.
- Classification:
- Evergreen or deciduous?
- What problems could you imagine that a gardener would have with this plant?

Plant # 17 Chinese Pistache

(This is not to be confused with a *pistachio* tree)

- Classification:
 - Evergreen or deciduous?
 - Draw a *whole* leaf.
 - Why is this tree considered dioecious?
-
- See if you can find a female and male tree on campus.

Plant # 18 Ash

- Classification:
 - Evergreen or deciduous?
 - What are some commercial uses of this tree?
-
- This tree is native to:
 - Is this a male or female tree?
 - How are the seeds dispersed? (look at them...)

Plant # 19 Redwood

- Classification:
- Evergreen or deciduous?
- This tree is native to:
- Do you see any cones?
- How is the thick bark an adaptation?

Plant # 20 Chinese Elm

- Classification:
 - Evergreen or deciduous?
 - Describe the bark.
-
- Describe the branches.
 - Why have they been used to replace American Elms?

Plant # 21 Fortnight Lily

SKETCHES

- Classification:
- What is the Genus name?
- Evergreen or deciduous?
- This tree is native to:
- Describe the vein pattern of the leaves.
- How many petals does each flower have?

Plant # 22 Nandina

- Classification:
- Evergreen or deciduous?
- Why is the common name of this plant misleading?
- Describe the fruit. Is it edible?
- Do you see any flowers? Describe them.

Plant # 23 Zelkova

- Classification:
- Evergreen or deciduous?
- This tree is native to:
- Which other tree nearby is in the same family and has similar leaves?

Plant # 24 Locust

- Classification:
- Evergreen or deciduous?
- Describe the fruit (although there may not be any now).
Look for other Locusts in the area.
- Look at the distinctive leaves.

Plant # 25 Crape Myrtle

- Classification:
- Evergreen or deciduous?
- Where did it get its name?
- Do you see any seed pods from last year? Draw one.
- Describe the bark.

Plant # 26 Oleander

SKETCHES

- Classification:
- Evergreen or deciduous?
- This tree is native to:
- Do you see any seed pods from last year?
- Is the plant edible?

Plant # 27 Honeysuckle

- Classification:
- Evergreen or deciduous?
- Smell the flowers.
- What problems may arise from planting this vine?

Plant # 28 Walnut

- Classification:
- Evergreen or deciduous?
- Do you see any fruit? Describe it.
- Why doesn't it look like a walnut right now?

Plant # 29 Almond

- Classification:
- Evergreen or deciduous?
- Do you see any fruit? Describe it.
- Why doesn't it look like an almond right now?
- *Fun fact:* Approx. 80% of the world's almonds are grown in California! How are they harvested?

Plant # 30 Fruitless Mulberry

- Classification:
- Evergreen or deciduous?
- Why is this tree 'fruitless'?
- What role does the tree have in the production of silk?
(Think back to elementary school science)

Plant # 31 Purple-Leaf Plum

- Classification:
- Evergreen or deciduous?
- Do you see any fruit? Look again... Is it edible?

Plant # 32 Photinia

SKETCHES

- Classification:
- Evergreen or deciduous?
- Look at the leaves... why are they shiny?
- Why don't you even see flowers on this plant?

Plant # 33 Oregon Grape

- Classification:
- Evergreen or deciduous?
- Look for the fruit. Touch the leaves... ouch!
- What is this plant used for?
- Why is the common name misleading?

Plant # 34 Ginkgo

- Classification:
- Evergreen or deciduous?
- Describe the texture of the leaf.
- Why is this considered a gymnosperm?
- This tree is native to:
- Why is this a good tree for cities?

Plant # 35 Japanese Maple

- Classification:
- Evergreen or deciduous?
- Scientific name:
- Why is the tree planted on the north side of the library?
- What are the watering requirements for this tree?

Plant # 36 Rose

- Classification:
- Evergreen or deciduous?
- What are rose hips?
- How much sun do roses require?

Plant # 37 Boxwood

SKETCHES

- (It's the low growing hedge w/ small leaves.)
- Classification:
- Evergreen or deciduous?
- Why do you think that this particular plant never has flowers?

Plant # 38 Lemon Verbena

- Classification:
- Evergreen or deciduous?
- This tree is native to:
- Rub a leaf and smell it. What is the scent? (You will know you have the right plant by the smell.)
- What purpose does the scent serve?

When you are done, walk around identifying each major plant on campus by name. You will be the coolest kid on campus now that you know this info!

Which plant was your favorite?

Mark your map (with a circled "P") with the location of the only palmately compound leaf on campus. (It's NOT one of the plants listed.)