

# Scavenger Hunt

## What to bring with you:

1. a partner
2. the plant-terms sheet (electronic or paper) as a "field guide"
3. a phone/camera
4. a place to take notes (notebook/piece of paper, can type in your phone if you prefer)
5. a pair of scissors (remember, no running with scissors)

For the most part I want you only to take pictures, not collect samples. I don't want to cut lots of plants. However, towards the end of hunt, I want you to pick a couple of leaves with their stems. Try to get one monocot and one dicot. As you either photograph or cut each sample, make notes to say what characteristics of the sample you are using to tell it is what you say. That is, if you are picking a monocot, what properties can you observe that makes you think it is that. **Make sure that for every sample you obtain, you take some notes** you can share with others in discussion

I want every team to find/identify 8 things on the list. Bonus points for more.

## Samples to find

1. monocot leaf/ stem
2. dicot (eudicot) leaf/stem
3. monocot flower (identify where the gametophyte is)
4. dicot flower (identify where the gametophyte is)
5. fruit (fleshy)
6. fruit (hard)
7. Fern: get a photo of the spores (bonus for a "fiddlehead" and double points for the gametophyte).
8. ovulate, or "female" cone (Here's a bonus vocab. word: megastrobilus cone)
9. pollen or "male" cone (microstrobilus cone)
10. succulent or cactus (any plant adapted to dry conditions...what traits do you expect?)
11. moss (or any non-vascular plant...in what sort of conditions will you need to look to find these?)
12. any apical meristem (here's a bonus question: where is the apical meristem on grass? If the apical meristem of grass were at the top of the blade of grass, what would happen when you mow the lawn?)
13. Photo of insect interacting with plant
14. Any other plant-related thing you think is interesting and want to discuss

## Rules for discussion

We will score it out of 25 points. You get a point for each sample and one for your notes on that sample (given to partner group. everyone should have 16 and could start with more). For each new thing you present, you get a point. You also get a point for contributions to someone else's presentation. So, if someone presents a monocot leaf, you can still get points for you monocot leaf by adding another observation or detail. To get to 25 points, you will need to present and/or add details in the discussion. Presentation and details comments are individual points, not partner.

We will start discussion in 40 minutes. Set an alarm and be back on time.