**ECOLOGICAL SCAVENGER HUNT**

PROCEDURE—In this lab, you will be going out into “nature” and taking pictures of various ecological terms that we have learned in class. The pictures will be assembled into a power point presentation that will be turned in at the conclusion of this activity. Each slide number will coincide with the scavenger hunt number. In other words, the first slide of your power point presentation should go with #1 on the scavenger hunt, which is an ecotone. On each slide, please label what your photographed item is, and once again, keep them in the same order as the items on this sheet.

PRE-LAB QUESTIONS—

1. What is an ecotone?
2. What are the steps of secondary succession?
3. What is a producer?
4. What is a consumer?
5. Draw a simple food chain below:
6. Define a predator/prey relationship and give and example.
7. Define commensalism and give an example.
8. Define mutualism and give an example.
9. What is a population?
10. What is a niche?
11. What is the difference between net primary productivity and gross primary productivity?

SCAVENGER HUNT ITEMS! Take a picture of the following items

* 1. Ecotone (On your slide describe why you chose this as your picture)
  2. An example of succession (On your slide describe why you chose this as your picture)
  3. A producer – non woody(Give the scientific name and common name on your slide. Use your dichotomous key to help you out)
  4. A producer—woody (Pick at tree for easier keying… Key out the name with your dichotomous key and add to your power point)
  5. Find two species and take their pictures . On the power point, label if they are in a predator/prey, mutualistic, commensalistic, or parasitic relationship. You will probably have two separate pictures on the slide. If you know the names, add those as well.
  6. A population
  7. An example of part of a species niche (on the power point, describe why you chose this as your photo)
  8. A place where you see decomposition or decay
  9. An insect
  10. Moss on a tree (in the power point describe what type of ecological relationship this is!)
  11. A bird
  12. Something cool you have never seen before (describe in your power point)
  13. A place that you see succession occurring (describe in your power point)
  14. Something in the soil.
  15. A fungus

BONUS—Find at least three species that would “work” together in a food chain. Place all the pictures on one slide and describe your food chain.

Some of you may be asked to present your power point presentations. Please save them on my teacher folder when you are done!