**BIOL 112 Lab Questions – 4 – Plant Tissues**

NOTE – don’t worry yet about differences between monocots and eudicots, and don’t worry yet about organ structure. We’ll come to those things. Focus on tissues.

1. Examine a cross section of a leaf and look for epidermal and vascular tissues. Briefly describe the structure-function relationships.
2. Examine a stem cross section and look for ground tissues. What kinds of cells do you see? What is the dominant cell type? Briefly describe the structure-function relationships.
3. The potatoes are underground stems, and mostly ground tissue. What characteristics do they share with other stems? What differences? What do you think is the main function (for the plant) of a potato?
4. Discuss the plant part that you brought in with your team. Focus on the visible tissues and organs. What parts do you see? What are their functions?
5. Write a brief overview of this activity, and evaluate whether it was helpful to you in learning the different tissue types and organs found in plants.