

Lab 2012

Plant Classification

The directions for this lab are found on the web. This web site was designed by:

*Monique Dubrule Reed
Herbarium Botanist, Department of Biology
Texas A&M University
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With a partner, go to the following web site and follow the directions as follows:

<http://www.csd.tamu.edu/FLORA/tfplab/labtabco.htm>

Once at this web page, open up:

“Lab 1 - Exercise in Basic Taxonomy: Classification, Nomenclature, and Identification”

Immediately print off a copy of this web page; you will use portions of the printed version to answer questions and hand in!

Answer the following questions from part “A. CLASSIFICATION,” you will be required to turn in this answer sheet upon completion of the lab: (the questions are also found on the web page)

1. Determine the nature of your basic unit. Analyze bolt variation and find groups of bolts that have all characteristics in common. You have _____ basic units with _____ bolts per unit.
2. Every individual flowering plant can be assigned to the basic unit of plant systematics, the **SPECIES**, although the analogy breaks down when we consider the nature of **INTRA-SPECIFIC VARIATION** in plants vs. bolts. Why? _____

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3. Examine pileus variation among your bolt "species" and arrange them into related groups. How many groups do you have? _____

In part "B. NOMENCLATURE," follow the directions on the web page and fill in the table you printed off at the beginning of this exercise. (You will hand the table in with this answer sheet.)

In part "C. IDENTIFICATION," follow the directions on the web page and create your own "key for all bolt species." (do so on a separate sheet of paper.)