

Plant Survey Lab

Directions:

Part A:

Make a data table with the following categories:

(Sample Data Table #1)

Plant name	Bryophyte/Fern/Gymnosperm/Angiosperm	Characteristics (how do you know?- monocot/dicot?)	Drawing
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1. Make sure you note all the characteristics that support your identification of each sample. Your choices are: bryophyte, fern, gymnosperm, angiosperm (mono/dicot). Place this information under the 'Characteristics' portion of your data table.
 2. Make a careful colored sketch/diagram (labelled parts) of each sample.
 3. Examine your samples under a magnifying lens and draw any new features.
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Part B:

(Sample Data Table #2)

Plant Name	Magnification	Type of Plant	Labelled Colored Drawing (leaf or stem or root?)
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4. Look at the prepared slides of a cross-section of the listed samples on the board. Make sure you label your drawing with the magnification next to drawing.
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Post Laboratory Question:

Refer to the each of the plant samples you examined in Data Table #1, how do the characteristics you observed help each of the plants to be successful in its environment (adaptations)? (Hint: reproduction, surviving the elements.)

It's ok to organize this question into a table.