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# LAB 4 QUIZ – GRADING KEY

## SOFTWOOD STEM, HERBACEOUS STEM AND LEAF CUTTINGS

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- I. In the previous two labs we learned about several different types of hardwood stem cuttings (simple, heel, mallet and tip cutting). Stem cuttings can also be used for propagating softwood and herbaceous cuttings. However, there are several additional cuttings that are suited to softwood and herbaceous cutting propagation. Name two (2pts):

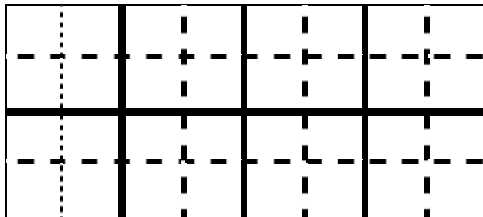
- a. **Leaf-bud**
- b. **Cane**
- c. **Leaf**

- II. Define the terms “ herbaceous” and “softwood” cuttings which clarifies the difference between the two (2pts):

**Herbaceous cutting: cutting from a herbaceous (non-woody) plant**

**Softwood cutting: succulent new growth on woody plants**

- III. Draw an 804 market pack (2pts):



- IV. Name three concerns you are likely to encounter in propagating plants from leaf cuttings? (3pts):

- i. **Shoot regeneration difficult**
- ii. **Dessiccation – leaves dry out easily**
- iii. **Susceptible to rotting and disease**

- V. (**T** / F) Auxins or usually not necessary for rooting herbaceous cuttings.

Bonus: What is the term for the unique genetic characteristic of the sansevieria plants we will use in lab today that produces the variegated leaf border? (1pts): **Periclinal chimera or leaf chimera**