
LAB 6 QUIZ KEY—PROPAGATION BY SPECIALIZED STEMS AND ROOTS

Name: _____

1.) Match the following descriptions with the appropriate answer below: (4pts)

- a. Bulb
- b. Corm
- c. Rhizome
- d. Tuber

a swollen compressed underground stem modified for storage which requires suberization to heal the cut site before producing roots and shoots. (TUBER-D)

a solid swollen base of a stem enclosed by dry scale-like leaves (CORM-B)

a specialize underground organ used mainly by monocots that consists of a fleshy stem attached to a basal plate (BULB- A)

a horizontal stem that has been modified to serve as a storage organ. It may be either above or below ground and has nodes and internodes (RHIZOME- C)

2.) Name one plant from our lab that can be propagated by the following structures or methods:

- a. Scaling – Lily
- b. Produces offsets – Garlic
- c. Twin scaling – daffodils
- d. Corms – Crocus
- e. Tuber – potato
- f. Tuberous roots – sweet potato

Bonus: We use 'organically grown' potatoes for this lab because they have not been treated with a growth inhibitor. Can you name a plant growth regulator that inhibits shoot formation? (auxin... also accept ABA)