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## LAB 10 QUIZ **KEY**- PRACTICING GRAFTING AND BUDDING

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Name: \_\_\_\_\_

1. Why aren't fruit trees often propagated by cuttings? [1pt]

difficult to propagate by cuttings

2. Why aren't fruit trees propagated by seed? [1pt]

seed reproduction introduces variability in fruit quality

3. What are three reasons an orchard may choose to use grafting to propagate an apple variety? [3pts]

- replacing an existing cultivar with a more marketable choice
- introduce a cultivar required for cross-pollination of an existing cultivar
- to produce a dwarf variety of One key to a successful graft is disbudding your rootstock.

4. There is one entire season when T-budding cannot be done because of the condition of the rootstock.

a) What season? Winter. [2pt]

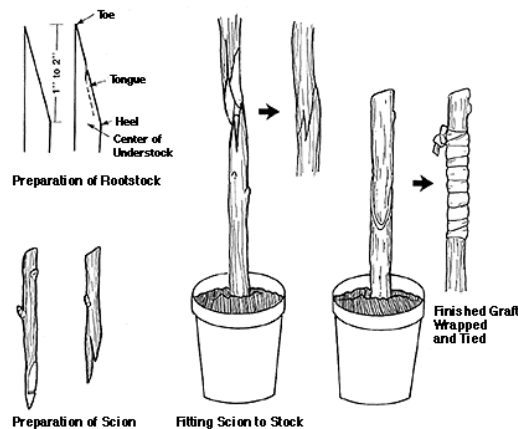
b) What condition must the rootstock be in for T-budding to be successful? [2pt]

Rootstock must be actively growing and bark must be slipping

5. Chip budding can be done anytime of the year as long as you have what available? [1pt]

Tightly closed, well-developed buds

Bonus: What is the name of the grafting technique depicted below? [1pt]



Whip and tongue graft

<http://www.ces.ncsu.edu/depts/hort/hil/grafting.html>