

Review Questions

Dr. Kane-Micropropagation

1. What does *in vitro* mean?
2. How are energy sources different between macro and micropropagation?
3. What is the most widely tissue-culture produced type of plant?
4. What is the most widely used form of micropropagation?
5. What growth regulator is used in micropropagation and for what reason?
6. Where can you find a shoot meristem?
7. What is an explant?
8. Why must you use an aseptic technique with micropropagation?
9. What does an indexing medium do?
10. Is a high or low level of genetic variability desired in shoot production?
11. It is better for production to root microcuttings in the greenhouse or under sterile conditions?
12. What are two reasons that plants produced *in vitro* may have water loss problem *ex vitro*?