

Review Questions-Chapter 3

1. What are microclimatic conditions and how can they be optimized to enhance plant propagation?
2. Distinguish between edaphic and biotic factors and how they influence propagation.
3. What are 3 ways light can be manipulated to control plant growth?
4. How is plant light measured?
5. Distinguish between long day and short day plants.
6. What is Phytochrome and why is it important?
7. Can CO₂ enrichment be beneficial to plant growth?
8. Distinguish between the 3 types of greenhouse covering materials (glass, polyethylene, polycarbonate).
9. When might it be beneficial to use closed-case propagation?
10. What are the qualities of an ideal soilless medium?
11. How can knowing the bulk density, container capacity, air filled porosity, pH, EC, and CEC of a medium be useful?
12. Compare sand, perlite, bark, coir and compost with respect to how much water they hold, what minerals (if any) they provide, and their aeration capacity.
13. What are best management practices?