1. Name the two general types of plant propagation.

2. What four environmental factors affect germination?

3. Does lettuce seed require light or darkness for germination? How about calendula?

4. What is stratification used for?

5. When pasteurizing soil, what temperature should the soil be? How long must it be kept at this temperature?

6. When is the ideal time to transplant seedlings from a germination container to a larger container?

7. What three environmental factors are manipulated to harden seedlings before they are moved outdoors?
8. What are the three types of stem cuttings?

9. Which type of layering might be used to propagate a rubber tree growing indoors?

10. What four conditions are necessary for successful grafting?

11. What is the most commonly used method of budding?

12. Successful propagation using tissue culture relies on sanitation and using disinfected plant material. What can you use to disinfect plant material?
1. List three or four reasons why you would want to prune your plants.

2. Unsanitary pruning tools can spread disease organisms from diseased plants to healthy plants. How can you prevent this problem?

3. Briefly describe the two types of pruning cuts and the purpose of each.

4. Mr. Smith is anxious to remove a diseased 2.5"-diameter branch from his oak tree. He plans to use a chain saw and make one cut on the branch, flush with the trunk. What are the potential problems with his plan?

5. What is one of the most important factors to consider when pruning a flowering tree or shrub?

6. Should all fruit trees be pruned the same, regardless of the kind of tree (e.g., apple vs. peach)?
1. In what kind of soil do tree fruits grow best? (Mark the one best answer.)
   _____ (a) Moderately drained, deep soils
   _____ (b) Poorly drained, shallow soils
   _____ (c) Well-drained, deep soils

2. Name the two most common scab-resistant apples.

3. Name two common scab-resistant and powdery-mildew-resistant apples.

4. A tree planted on an M26 rootstock will grow to what percentage of the size of a seedling tree?

5. Are Lapin cherries self-fruitful?

6. What are the ways to thin fruit from trees?
1. Optimum temperature, light, and humidity are necessary for a houseplant to thrive. Briefly describe how you can manage each of these.

2. Proper watering is essential for houseplants to thrive. What are some watering guidelines?
3. Houseplants can experience a number of pest problems. How can you avoid some of these?

4. What are some issues you need to consider if you decide to use chemical pest control on your houseplants?