**Genus and Species In the Garden with Bryce Lane 3.03, P:1**

1. What are the two main kingdoms Bryce talks about?
2. Plants in the same \_\_\_\_\_\_\_\_\_\_\_ have similarities in reproduction.
3. What is plural for genus?
4. How are hollies different? How are they alike?
5. What do all maples have in common?
6. Describe Bryce’s footwear analogy to plant classification. Use Asics or Adidas as an example.
7. Does Adidas need a new species? Why or why not?
8. Why is there a need of scientific names?
9. Why is it called a binomial system?
10. Why is Latin the language used?
11. Which is capitalized in a binomial name?
12. What is the specific epiphet?
13. How are *Quercus alba* and *Quercus rubra* alike? Different?
14. What are three advantages of using a binomial system?
15. For *Aucuba japonica*, which is the genus:

Specific epiphet:

species:

1. What is the Plant of the Week’s name?
2. Describe the Plant of the Week?

**Varieties and Cultivars In the Garden with Bryce Lane 3.03**

1. What are three examples of plant variation?
2. What are three variations within a species that would not lead to a new species creation?
3. What is a botanical variety?
4. What are the two characteristics within a variety?
5. What are the key words involved with a variety?
6. One example is the Red Bud, *Cercis canadensis*. What is one variation for this plant?
7. If the White Red Bud has children (seeds) what will the seeds make, pink or white flowers?
8. How do we write the botanical name for a white Red Bud?
9. What are two characteristics of the Chamaecyparis variety that Bryce shows?
10. What really makes this *Chamaecyparis pisifer*a filifera var. Aurea variety?
11. What are the two ways where plants will have variations but will not make traits inheritable?
12. What is a cultivar?
13. Do most plants have varieties or cultivars?
14. How do you write a cultivar for Red Bud with a Forest Pansy cultivar?
15. Do tomatoes usually have varieties or cultivars?
16. Why is *Phlox paniculata* ‘David’ a great cultivar? List two reasons.
17. What is unique about *Phlox paniculata* ‘Vera Lee’?
18. *Cornus controversa* ‘Variegata’, how is it unique?

Genus-

Species- Cultivar-

1. *Hydrangea paniculata* ‘Brussels Lace’- what does paniculata mean?
2. What is the plant of the week? Write the entire botanical name.