

1. Define biennial, perennial and annual.
2. Explain the venation patterns of dicots and monocots.
3. How are woody and herbaceous stems different?
4. List 2 distinct differences between a plant cell and an animal cell.
5. Name two examples of monocots and dicots.
6. What are the defining characteristics of a bryophyte, fern, gymnosperm, and angiosperm?
7. What are the differences between monocots and dicots?
8. What are the major functions of roots?
9. What are the two categories of angiosperms?
10. What do healthy roots look like?
11. What do we call the growing point of the plant?
12. What is a fibrous root system good for?
13. What is a taproot system good for?
14. What is a taxa?
15. What is binomial nomenclature?
16. What is the cortex in a root for?
17. What is the difference between a deciduous and an evergreen plant?
18. What is the first structure to emerge from a seed?
19. What is the function of a vacuole?
20. What is the function of the cytoplasm?
21. What is the function of the golgi body in a cell?

22. What is the function of the nucleus in a cell?
23. What is the function of the root hairs?
24. What kind of root system does corn have?
25. What material are cells walls made out of?
26. What part of a plant cell carries out photosynthesis?
27. What part of the cell gives the plant its rigid structure?
28. What two taxas are used for the scientific name?
29. What type of root is a carrot?
30. What type of root system do dandelions have?
31. What type of vascular structures are in a dioct?
32. What types of stems do all annuals have?
33. What types of vascular structures are in a monocot stem?
34. Where are the two growing points located?
35. Where are the xylem and phloem housed in a root?
36. Where is ATP created in the cell?
37. Who invented binomial nomenclature?
38. Why was an evergreen plant an advantage?

\*\*Also be able to label the internal and external structures of a root, the organelles of a cell, the internal and external parts of a leaf, and the internal and external structures of a stem.\*\*