**VIDEO GUIDE FOR PLANT EVOLUTION AND STRUCTURE**

1. The three major organs of the plant body are
2. What is the function of root hairs?
3. How is the terminal bud different from the axillary bud?
4. Describe two modified shoots and their functions.
5. What two types of tissues make up leaves?
6. What are the three major functions of leaves?
7. How are the roots and shoots of plants interdependent?
8. List the three major types of plant tissues and their functions.
9. What major metabolic process occurs in parenchyma?
10. What type of cell forms the “strings” in celery?
11. What type of cell gives pears their gritty texture?
12. What is the function of xylem? Why is it dead at maturity?
13. Which plant tissue, and which plant cell type is dead at maturity?
14. What is the function of phloem?
15. How do companion cells help phloem?
16. How is the arrangement of vascular tissue different in monocot and dicot stems?
17. The first land plants were the
18. Pteridophytes/ferns were the first plants to have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ tissue
19. Gymnosperms do not need water for reproduction because they have evolved \_\_\_\_\_\_\_\_\_\_\_
20. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ coevolved with their animal pollinators.
21. List two pieces of evidence that indicate the first plants evolved from algae