



Botany



23. What is the main topic of the lecture?

- ☐ The size of root systems
- ☐ Various types of root systems
- ☐ The nutrients required by rye plants
- ☐ Improving two types of plant species

24. According to the professor, why did one scientist grow a rye plant in water?

- ☐ To expose the roots to sunlight
- ☐ To be able to fertilize it with gas
- ☐ To be able to see its entire root system
- ☐ To see how minerals penetrate its roots

25. The professor mentions houseplants that receive too much water. Why does she mention them?

- ☐ To show that many different types of plants can grow in water
- ☐ To explain why plants grown in water should have a gas bubbled through them
- ☐ To remind the students of the importance of their next experiment
- ☐ To make a point about the length of houseplants' roots

26. According to the professor, what similarity is there between crabgrass and rye plants?

- ☐ Both start growing in the month of May.
- ☐ Both have root systems that require a lot of water.
- ☐ Both have more shoot surface than root surface.
- ☐ Both produce many shoots from a single seed.

27. Listen again to part of the lecture by playing Track 20. Then answer the question.



Why did the professor say this?

- ☐ She wanted to correct the wording of a previous statement.
- ☐ She wishes she did not have to bubble gas through it.
- ☐ She realized the odor of gas could be unpleasant.
- ☐ She forgot to tell the students about a step in the experiment.

28. Listen again to part of the lecture by playing Track 21. Then answer the question.



What does the professor intend to explain?

- ☐ Why a mistake made in textbooks was never corrected
- ☐ Why she does not believe that the roots of rye plants extend to 1,000 kilometers
- ☐ How the roots of rye plants develop to such a great length
- ☐ How plants grown in water make use of fertilizer