

Listen to Track 19 on the DVD.



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

 **LIVEWORKSHEETS**

