

Gymnosperms

1. What are three adaptations of seed plants that allow them to live on land?
2. What are the functions of roots, stems, and leaves?
3. How are the leaves of gymnosperms adapted to protect against water loss?
4. How are xylem and phloem tissues similar? How are they different?
5. What is the function of a pollen cone?
6. What is the function of a seed cone?
7. What is a pollen grain in gymnosperms and how does it get dispersed?

8. Why is pollination important?

9. How does fertilization occur in gymnosperms?

10. What is a seed?

11. How do seeds allow for plant survival?

12. How do the mechanisms by which sperm reach the egg differ between gymnosperms and seedless vascular plants?

13. What is the dominant generation in gymnosperms?

14. How does pollination differ from fertilization?

15. What is the difference between a spore and a seed?