

Structure and Function in Living Systems

Name: _____

Gymnosperms & Angiosperms

Period: _____

Use Chapter 12, Section 3 of your textbook to answer the questions below.

Gymnosperms (p.370)

1. Gymnosperms do not have _____ or _____ .
2. The seeds of a gymnosperm are usually found in a _____ .

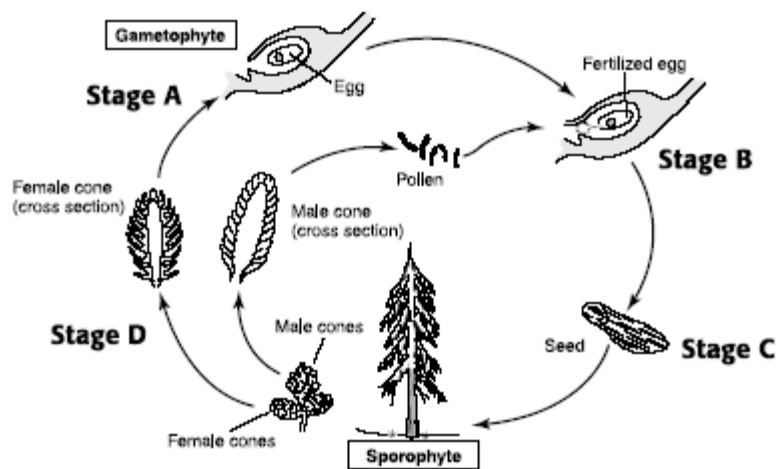
The Importance of Gymnosperms

- _____ 3. Which of the following is NOT a human use for gymnosperms?
- | | |
|--|-------------------------------------|
| a. building materials and paper products | c. anticancer and antiallergy drugs |
| b. a source of resin for paint and soap | d. food |

Life Cycle of Gymnosperms (p.371)

4. Conifers have both _____ and _____ cones.
5. Pollen grains have _____ in them.
6. When wind carries pollen from male cones to female cones, it is called _____ .
7. Pollination is a kind of _____ reproduction.

Use the figure below and Figure 4 in your book to answer questions 8 through 11.



8. Fertilization occurs at stage _____ .
9. Sex cells produced at stage _____ .
10. The fertilized egg develops into a young sporophyte at stage _____ .
11. Spores are produced at stage _____ .

turn over for more questions

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Angiosperms (p.372)

12. Angiosperms have both _____ and _____.

Reproduction in Angiosperms

13. The reproductive structures of angiosperms are _____.

14. Animals may be attracted to flowers and carry _____ from flower to flower.

15. Look at Figure 5. The bee will both take away and leave _____ at each flower.

16. Angiosperm seeds are surrounded by _____.

17. Some fruits and seeds are blown away by the _____.

18. Some animals eat fruit and then get rid of the _____.

19. Burrs (a kind of fruit) stick to the _____ of animals.

Two Kinds of Angiosperms

Match the correct description with the correct term. Write the letter in the space provided.

_____ 20. a kind of seed with one cotyledon a. eudicot

_____ 21. a kind of seed with two cotyledons b. monocot

The Importance of Angiosperms (p.373)

22. Flowering plants give many land animals _____ to survive.

Match the correct description with the correct term. Write the letter in the space provided.

_____ 23. flowering plant used for building material a. corn

_____ 24. flowering plant used to make clothing b. oak tree

_____ 25. flowering plant grown for food c. cotton