

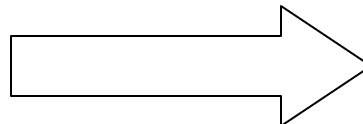
Intro to Plants Worksheet (Chapter 22)

Matching On the lines provided, write the letter of the definition that matches each term.

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| _____ 1. gametophyte | a. type of cell specialized to conduct water |
| _____ 2. sporophyte | b. underground stem |
| _____ 3. rhizoids | c. underground organ that absorbs water and minerals |
| _____ 4. vascular tissue | d. tissue specialized to conduct water and nutrients |
| _____ 5. tracheid | e. photosynthetic organ that contains one or more bundles of vascular tissue |
| _____ 6. xylem | f. tissue that carries water upward from the roots to other parts of the plant |
| _____ 7. phloem | g. supporting structure that connects the roots and leaves of a plant |
| _____ 8. root | h. tissue that transports solutions of nutrients and carbohydrates in a plant |
| _____ 9. leaf | i. vascular tissue gathered in leaves |
| _____ 10. vein | j. long thin cells that anchor mosses to the ground |
| _____ 11. stem | k. diploid generation |
| _____ 12. Rhizome | l. haploid generation |

Multiple Choice On the line provided, write the letter of the answer that best answers the question or completes the sentence.

- _____ 13. Bryophytes include
a. ferns. c. trees.
b. horsetails. d. mosses.
- _____ 14. What type of seed plant bears its seed directly on the surface of cones?
a. a bryophyte c. a tracheid
b. a gymnosperm d. an angiosperm
- _____ 15. The plant shown to the right is classified as a(an)
a. bryophyte. c. angiosperm.
b. gymnosperm. d. endosperm.
- _____ 16. What is the seed-bearing structure of a gymnosperm called?
a. a cone c. a flower
b. a rhizoid d. an embryo
- _____ 17. What is the seed-bearing structure of an angiosperm called?
a. a cone c. a flower
b. a rhizoid d. an embryo
- _____ 18. In seed plants, where is the male gametophyte contained?
a. in a pollen grain c. in a cone
b. in a seed d. in a fruit



- _____ **19.** What is the name of the process in which pollen is carried to the female reproductive structure?
a. fertilization c. reproduction
b. pollination d. germination
- _____ **20.** The embryo of a plant that is encased in a protective covering and surrounded by a food supply is called a
a. seed. c. pollen grain.
b. gemmae. d. fruit.
- _____ **21.** What is the early developmental stage of the sporophyte plant called?
a. an endosperm c. a monocot
b. a dicot d. an embryo
- _____ **22.** What surrounds and protects a plant embryo?
a. a sorus c. a seed coat
b. a monocot d. a lignin
- _____ **23.** What is the thick wall of tissue that surrounds a seed called?
a. a fruit c. a sporangia
b. a cotyledon d. a protonema
- _____ **24.** An angiosperm that has one seed leaf in its embryo is called a
a. monocot. c. cotyledon.
b. dicot. d. lignin.
- _____ **25.** Which type of angiosperm lives for more than two years?
a. biennial c. perennial
b. annual d. terrestrial