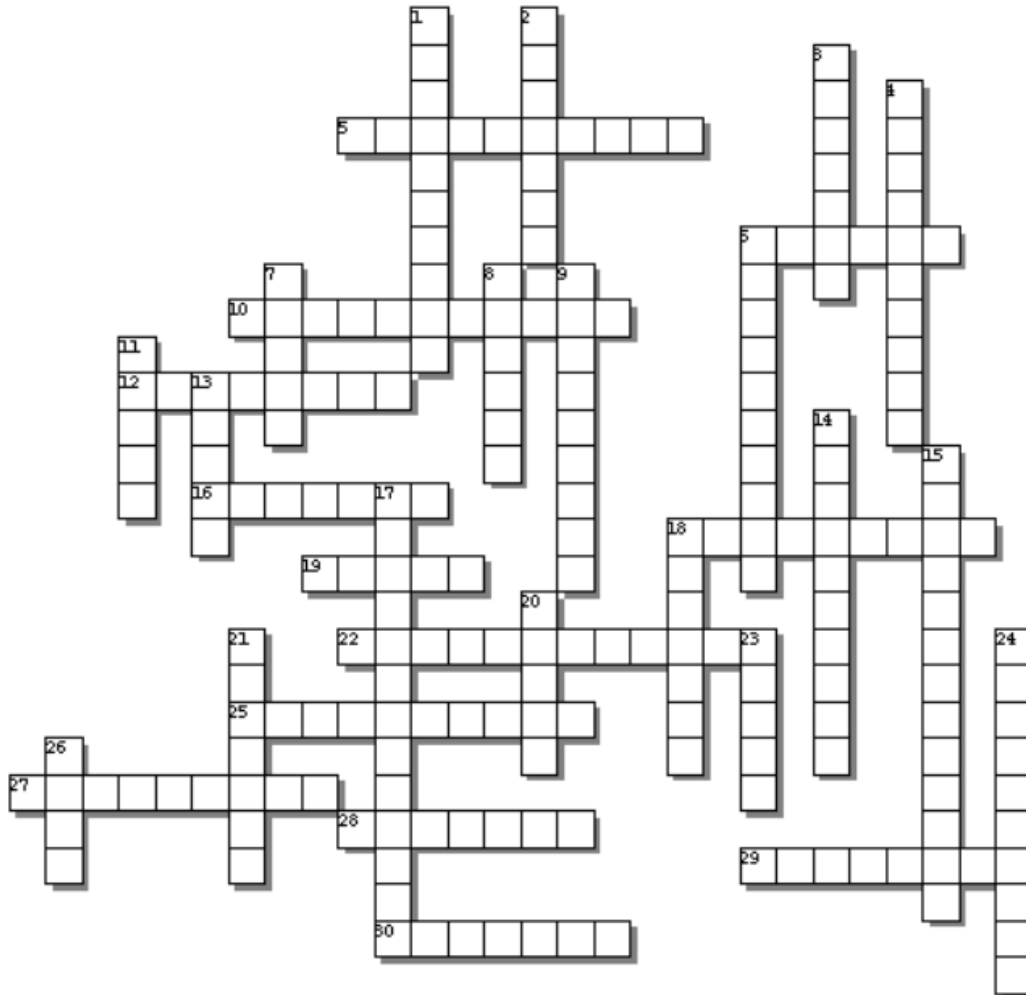


Kingdom Plantae



Across

- 5 - diploid phase or stage of an organism
- 6 - flower structure in which haploid male gametophytes are produced

Down

- 1 - plant hormone that makes a plant grow wider
- 2 - growth or movement of a plant toward or away from a stimuli

Across

- 10 - transfer of pollen from the the male reproductive structure to the female reproductive structure
12 - type of tissue that conducts water and nutrients through a plant
16 - underground stem that produces ferns
18 - type of plant that lives many years
- 19 - vascular tissue that transports water
- 22 - plant hormone that makes stems, flowers and fruit larger
25 - male cone
- 27 - tough carbohydrate fiber that makes up the cell wall of plants
28 - waxy layer that covers the needles of conifers
29 - female cone
- 30 - long, thin cells that absorb water and minerals from the surrounding soil

Down

- 3 - openings in the underside of a leaf that allows carbon dioxide and oxygen to diffuse into and out of the leaf
4 - structure grown by a pollen grain; contains two haploid sperm cells
6 - flowering plant
7 - cluster of spores on the underside of a fern frond
8 - sticky portion at the top of the style where pollen grains frequently land
9 - first leaf or pair of leaves produced by the embryo of a seed plant
11 - structure in seed cones in which female gametophytes develop
13 - haploid reproductive cell produced by bryophytes and pterophytes
14 - plant that bears seeds directly on the surface of cones
15 - movement of food through phloem tissue
17 - consisting of more than one cell
- 18 - thin stalk by which a leaf blade is attached to a stem
20 - the photosynthetic part of a fern
21 - term used to identify a cell that is 1N
23 - narrow stalk of the carpel in a flower
24 - type of plant that does not produce wood
26 - embryo of a living plant that is surrounded and protected by a seed coat

Possible Answers:

angiosperm, anther, cellulose, cotyledon, cuticle, cytokinins, frond, gibberellins, gymnosperm, haploid, herbaceous, multicellular, ovule, perennial, petiole, pollen cone, pollen tube, pollination, rhizoid, rhizome, seed, seed cone, sorus, spore, sporophyte, stigma, stomata, style, translocation, tropism, vascular, xylem

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