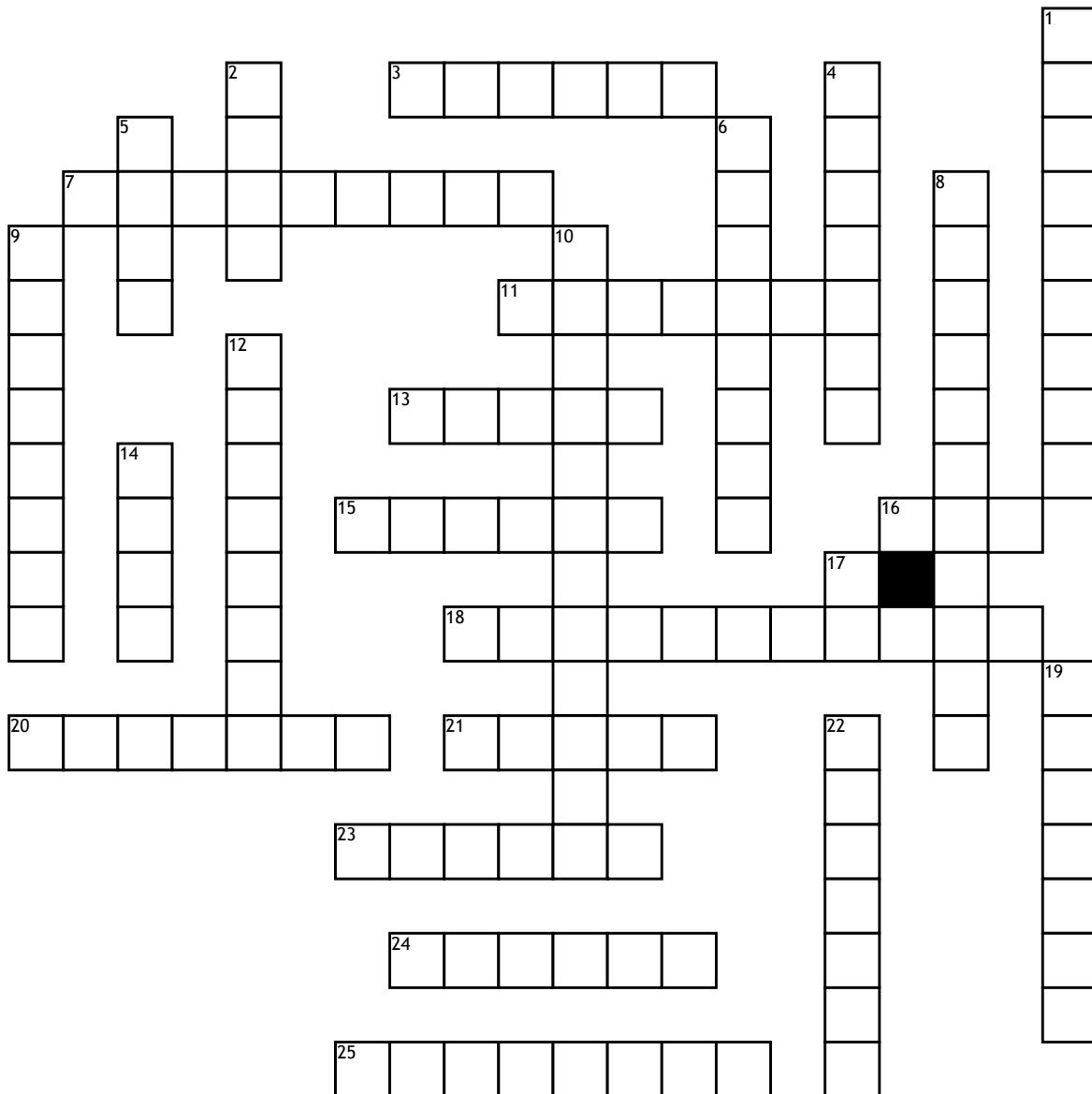


Horticulture



Across

- 3. The external part of a plant attached to branches and stems for the purpose of taking in light from the sun's energy, they do this with chloroplasts in the cells which contain chlorophyll.
- 7. A complex carbohydrate that stiffens a plant tissue: tough stems contain cellulose.
- 11. The leaves or more generally, the green part of a plant.
- 13. Their purpose is to anchor a plant and provide a means in which to feed and hydrate a plant.
- 15. Complex carbohydrate; starch is manufactured and stored in food.
- 16. High Intensity Discharge.
- 18. Green coloring matter of leaves and plants, essential to the production of carbohydrates by photosynthesis.

- 20. Made of, or derived from or related to living organisms. In agriculture organic means "natural." in chemistry organic means "a molecule or substance that contains carbon."
 - 21. A plant's egg found within the calyx, it contains all the female genes; when fertilized, an ovule will grow into a seed.
 - 23. Male, pollen-producing.
 - 24. Pistillate, ovule, seed-producing.
 - 25. Electronic instrument or chemical used to find where soil or water is on the pH scale.
- Down**
- 1. A series of growth stages through which a plant must pass in its natural lifetime; the stages for an annual plant are seed, seedling, vegetative and floral.
 - 2. The base structural unit that plants are made of; cells contain a nucleus, that houses its dna.
 - 4. Strain, phenotype (see strain).

- 5. Deliver nutrient to the plant via roots or foliage.
- 6. Refers to soil with high ph; any pH over 7.0 is considered alkaline.
- 8. Light with very short wave lengths, out of the visible spectrum, pass the blue-violet.
- 9. Chemical used to purify water.
- 10. the art or practice of garden cultivation and management.
- 12. .Light or colorless, odorless gas; hydrogen combines with oxygen to form water.
- 14. An acid or sour substance has a pH below 7.0.
- 17. A scale from 1 to 14 that measures the acid to alkaline balance of a growing medium (or anything); in general plants grow best in a range of 5.5 to 6.8 pH
- 19. The main or primary root that grows from the seed; lateral roots will branch off the tap root.
- 22. A mixture of decayed organic matter.