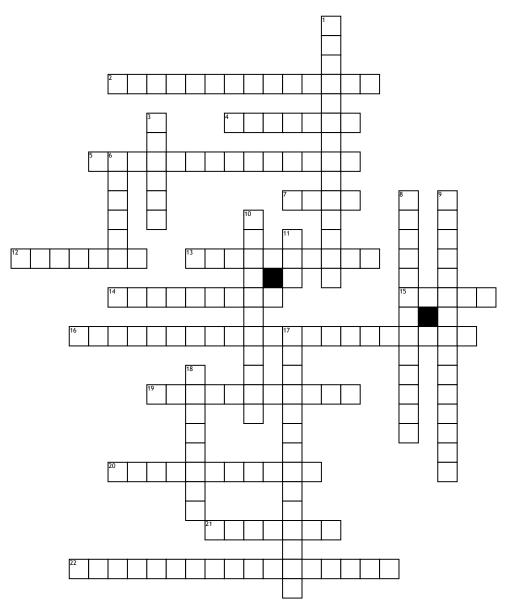
## Unit 16



## **Across**

- **2.** elements used in very small quantities
- **4.** ions that are positively charged
- **5.** elements used in relatively large quantities, includes primary and secondary nutrients
- 7. pH of less than 7.0
- **12.** simple sugar and the building blocks for other nutrients
- **13.** study of the functions and vital processes of living creatures and their organs
- **14.** yellowing of a leaf

- **15.** spaces between soil particles through which plant roots penetrate, and in which air, water, and nutrients are stored
- **16.** membrane that permits a solution to move through it
- 19. green pigment in leaves
- **20.** a chemical action that results in the dropout of solids in a solution
- **21.** movement of materials through a semi-permeable membrane
- **22.** calcium, magnesium, and sulfur

## Down

1. provision of elements to plants

- 3. swollen or stiff condition as a result of being filled with liquid
- **6.** ions that are negatively charged
- **8.** process by which a plant loses water vapor
- **9.** nitrogen, phosphorous and potassium
- **10.** a process in which energy and carbon dioxide are released due to digestion or the breakdown of plant tissues during periods of darkness
- **11.** atom or a group of atoms that have an electric charge
- **17.** brightness of light
- **18.** pH of more than 7.0