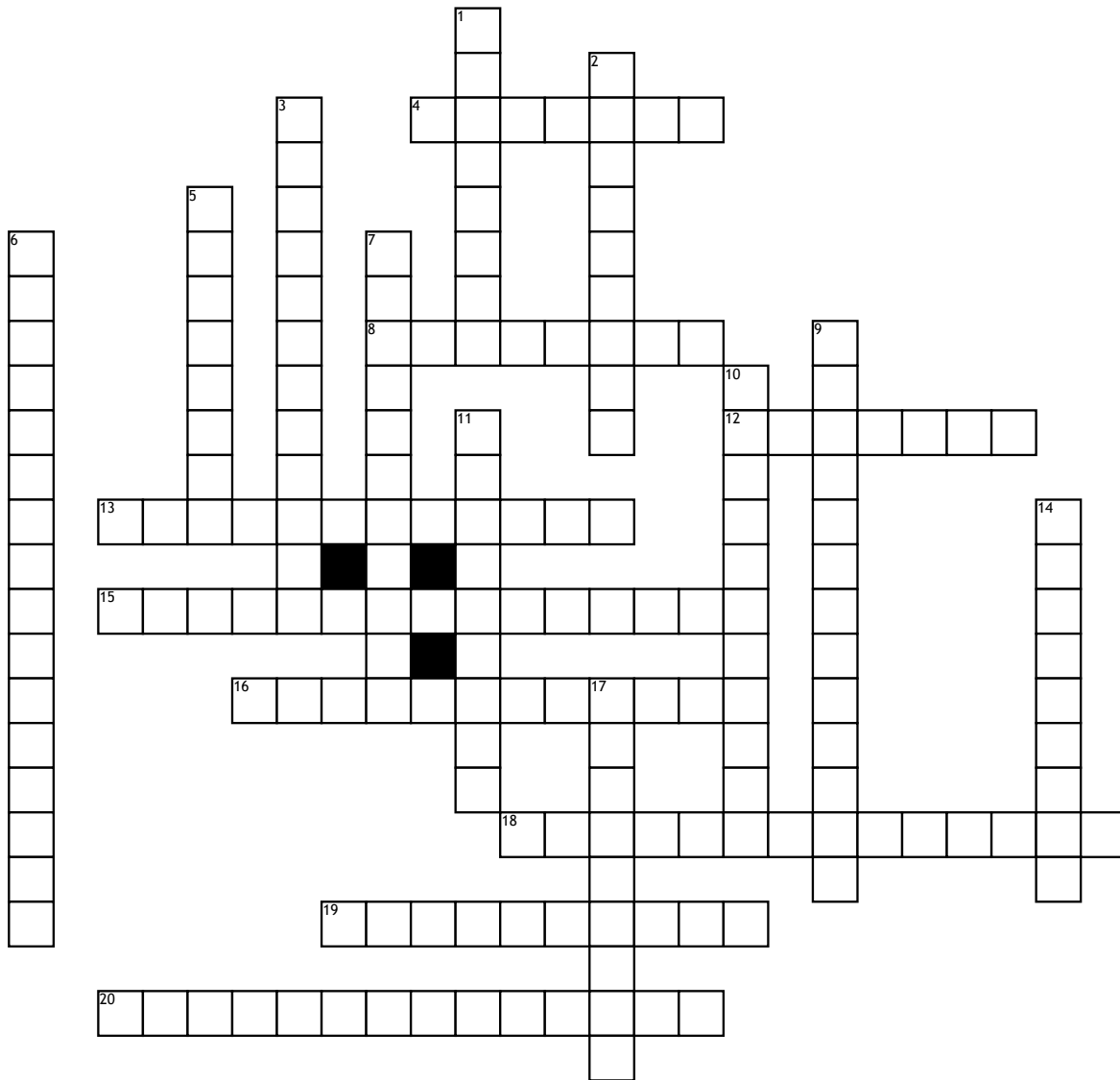


Plant and Animal Cells



Across

- 4. Form from a piece of membrane breaking loose from cell membrane; store substances; larger in plant cells than animal cells
- 8. Bags of enzymes used to digest particles and bacteria; "Garbage men" of the cell
- 12. Control Center of the Cell
- 13. Sites for photosynthesis; found only in plant cells
- 15. Type of cell lacking a membrane-enclosed nucleus and other membrane enclosed organelles
- 16. Semipermeable barrier made of two layers of phospholipids

- 18. Process by which plants convert light energy to chemical energy that is stored in sugars made from carbon dioxide and water
 - 19. Only found in animal cells; form spindle fibers during cell division
 - 20. Type of cell that has a membrane-enclosed nucleus and membrane-enclosed organelles
- Down**
- 1. Structures found only in plant cells; chloroplasts are one type
 - 2. Processes, packages, and stores the fats and proteins produced by the ER
 - 3. Powerhouse of the cell

- 5. Made mostly of cellulose, encases or surrounds plant cells and gives them their characteristic shapes
- 6. Locomotive structures made up of microtubules
- 7. A green pigment located within the chloroplast
- 9. Involved in muscle contraction in larger organisms
- 10. Widely varies in shape
- 11. Box like Shape
- 14. uncoiled DNA; coils into chromosomes during cell division
- 17. Site of protein synthesis; found in cytoplasm and on rough ER