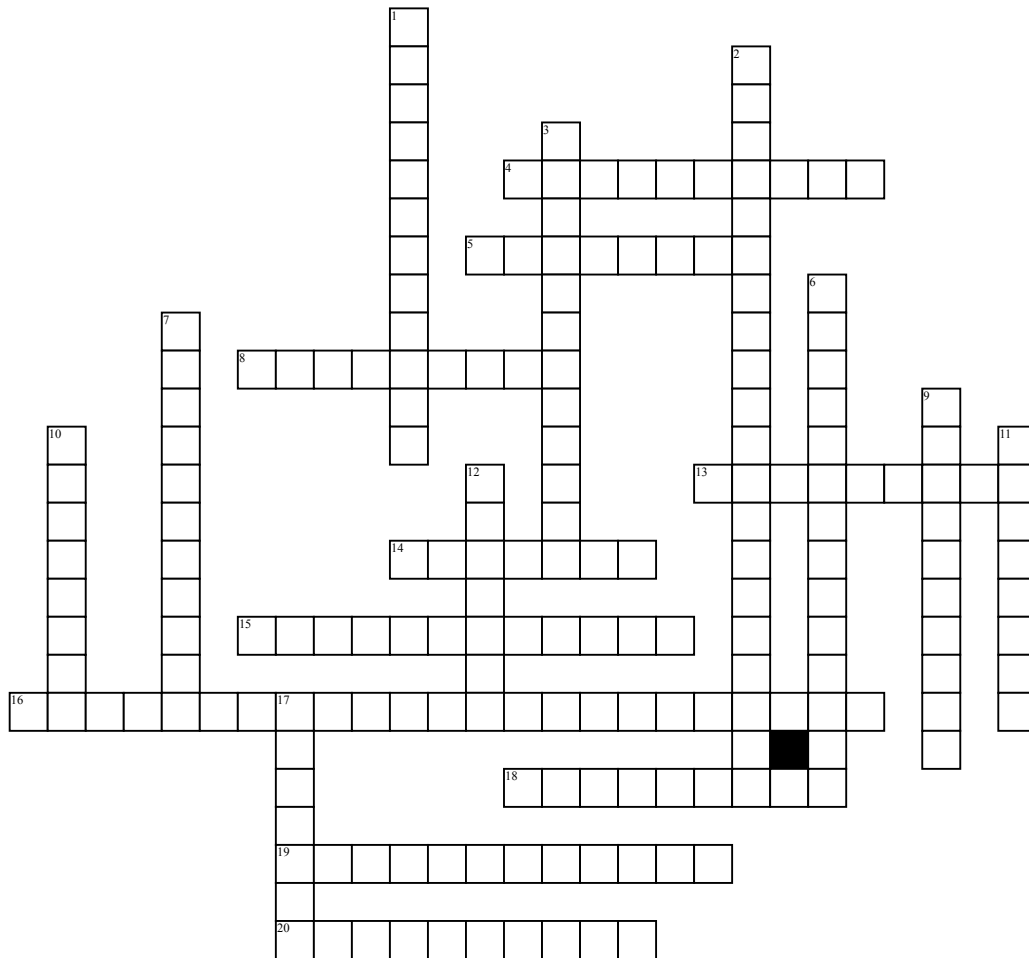


Cells



Across

4. cylinder-shaped organelles made of short microtubules arranged in a circle
 5. rigid layer that gives protection, support, and shape to the cell
 8. jellylike substance that contains dissolved molecular building blocks
 13. structures specialized to perform distinct processes within a cell
 14. the storehouse for most of the genetic information or DNA
 15. supply of energy to the cell
 16. allows some, but not all, materials to cross (property of cell membrane)

18. membrane-bound organelles that contain enzymes
 19. network of proteins that is constantly changing to meet the needs of a cell
 20. have a nucleus and other membrane-bound organelles
- ## Down
1. composed of a charged phosphate group, glycerol and two fatty acid chains
 2. an interconnected network of thin folded membranes
 3. forms a boundary between a cell and the outside environment and controls the passage of materials into and out of a cell

6. consists of closely layered stacks of membrane-enclosed spaces that process, sort, and deliver protein
 7. do not have a nucleus or other membrane-bound organelles
 9. all organisms are made of cells, all existing cells are produced by other living cells and the cell is the most basic unit of life
 10. tiny organelles that link amino acids together to form proteins
 11. a protein that detects a signal molecule and performs an action in response
 12. fluid-filled sac used for the storage of materials needed by a cell
 17. used to describe small membrane-bound sacs that divided some materials from the rest

Word Bank

Vacuole	Receptor	Golgi Apparatus	Eukaryotic
Cell wall	Centrioles	Phospholipid	Vesicle
Lysosomes	Cytoplasm	Mitochondria	Cytoskeleton
Endoplasmic reticulum	Prokaryotic	Selectively permeability	Ribosome
Organelle	Cell membrane	cell theory	Nucleus