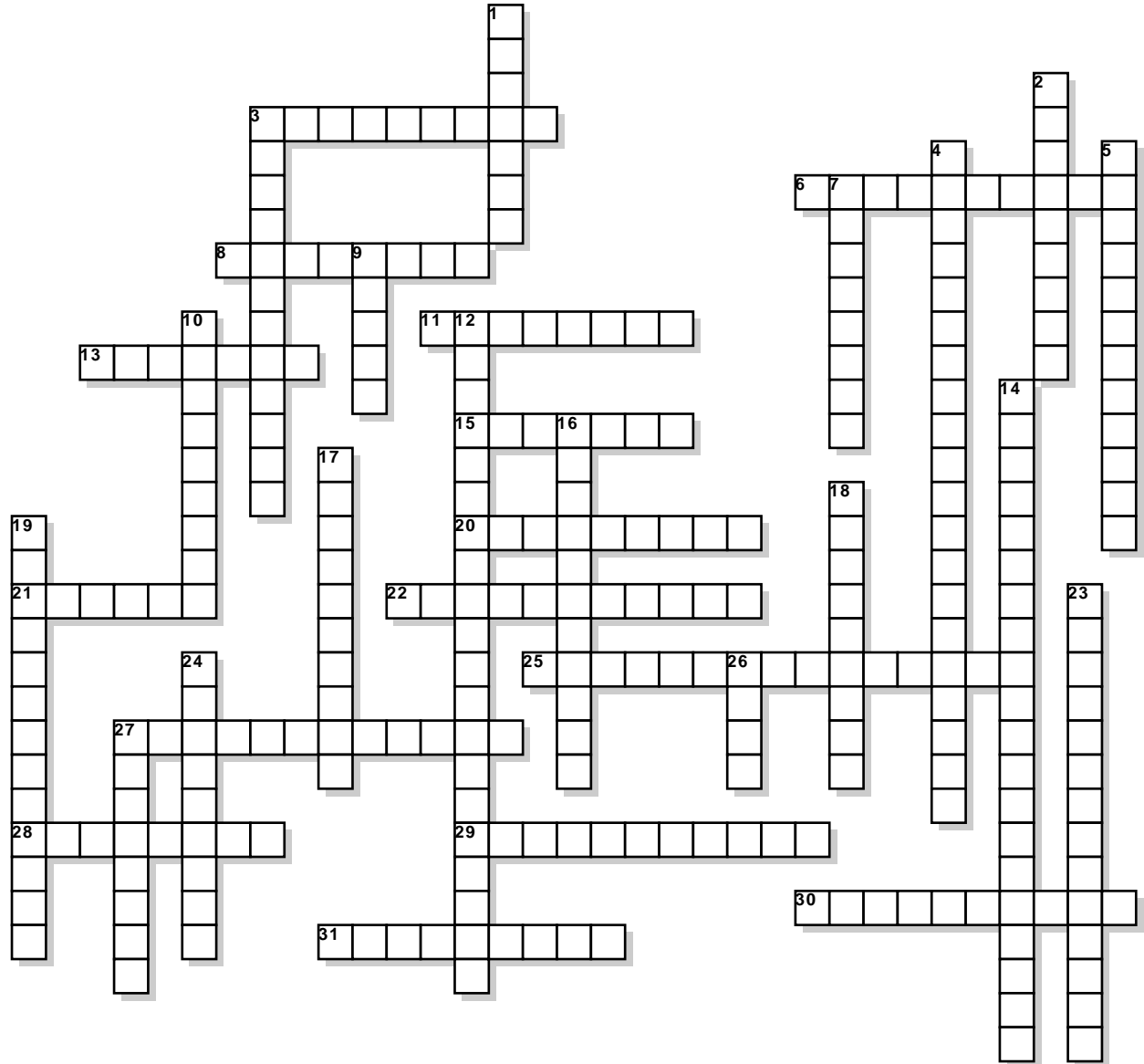


Biology Crossword Puzzle 7



Across

- 3 Structure in an animal cell that helps to organize cell division.
- 6 Unicellular organism that lacks a nucleus.
- 8 When the concentration of two solutions is the same.
- 11 Strong, supporting layer around the cell membrane in some cells.
- 13 Cell organelle that stores materials such as water, salts, proteins, and carbohydrates.
- 15 Diffusion of water through a selectively permeable membrane.
- 20 Water channel protein in a cell.
- 21 Group of similar cells that perform a particular function.
- 22 Relatively constant internal physical and chemical conditions that organisms maintain.
- 25 Pressure that must be applied to prevent osmotic movement across a selectively permeable membrane.
- 27 Flexible double layered sheet that makes up the cell membrane and forms a barrier between the cell and its surroundings.
- 28 Cell organelle consisting of RNA and protein found throughout the cytoplasm in a cell.
- 29 Organelle found in cells of plants and some other organisms that captures energy from sunlight and converts it into chemical energy.
- 30 Fundamental concept of biology that states that all living things are composed of cells; that cells are the basic units of structure and function in living things and that new cells are produced from existing cells.

Down

- 1 Structure that contains the cell's genetic material in the form of DNA.
- 2 In eukaryotic cells, all cellular contents outside the nucleus; in prokaryotic cells, all of the cell's contents.
- 3 Network of protein filaments in a eukaryotic cell that gives the cell its shape and internal organization and is involved in movement.
- 4 Process of diffusion in which molecules pass across the membrane through cell membrane channels.
- 5 Thin, flexible barrier that surrounds all cells; regulates what enters and leaves the cell.
- 7 On or in a cell, a specific protein to whose shape fits that of a specific molecular messenger, such as a hormone.
- 9 Group of tissues that work together to perform closely related functions.
- 10 Organism whose cells contain a nucleus.
- 12 Internal membrane system found in eukaryotic cells.
- 14 Property of biological membranes that allows some substances to pass across it while others cannot.
- 16 Group of organs that work together to perform a specific function.
- 17 When comparing two solutions, the solution with the greater concentration of solutes.
- 18 Specialized structure that performs important cellular functions within a cell.
- 19 Cell organelle that converts the chemical energy stored in food into compounds that are more convenient for the cell to use.

Across

- 31 Process by which particles tend to move from an area where they are more concentrated to an area where they are less concentrated.

Down

- 23 Organelle in cells that modifies, sorts, and packages proteins and other materials from the endoplasmic reticules for storage in the cell or release outside of the cell.
- 24 When comparing two solutions, the solution with the lesser concentration of solutes.
- 26 Basic unit of all forms of life.
- 27 Cell organelle that breaks down lipids, carbohydrates, and proteins into small molecules that can be used by the rest of the cell.

Possible Answers:

aquaporin, cell, cell membrane, cell theory, cell wall, centriole, chloroplast, cytoplasm, cytoskeleton, diffusion, endoplasmic reticulum, eukaryote, facilitated diffusion, golgi apparatus, homeostasis, hypertonic, hypotonic, isotonic, lipid bilayer, lysosome, mitochondrion, nucleus, organ, organ system, organelle, osmosis, osmotic pressure, prokaryote, receptor, ribosome, selectively permeable, tissue, vacuole