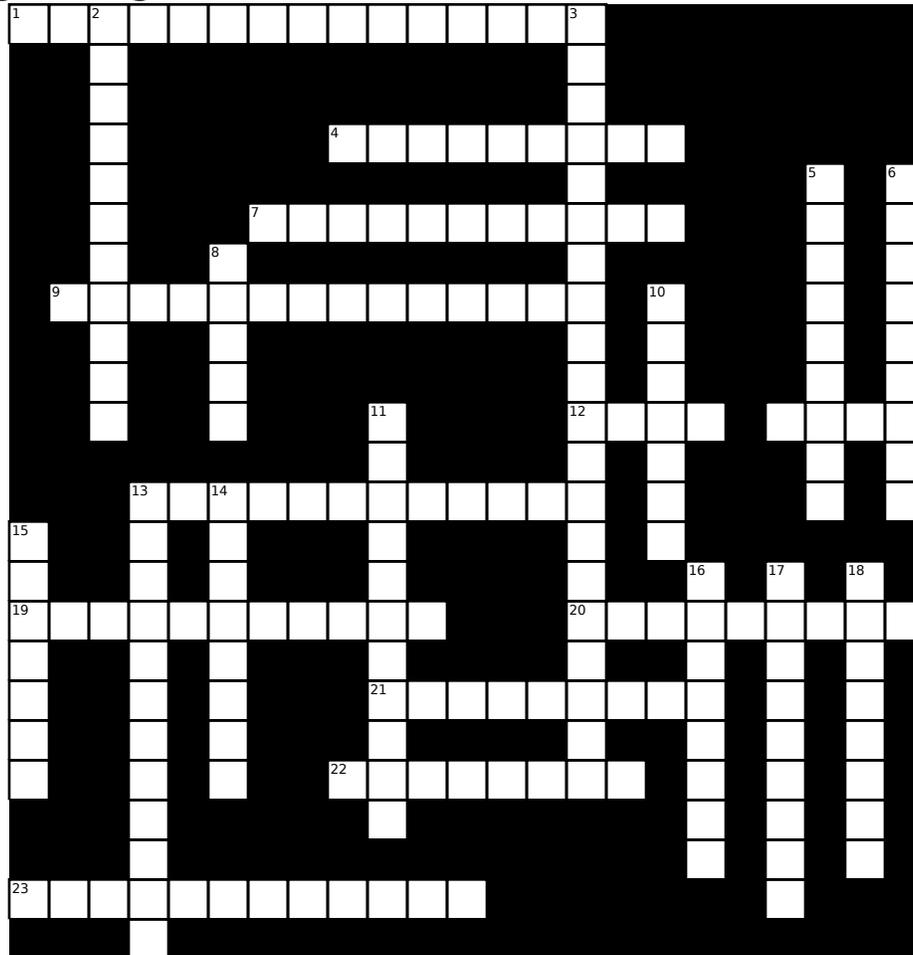


The Cell: A Living Structure

Mr Hoffman

All of the terms on this puzzle were part of your cell analogy assignment. There are also some review terms from the last unit on living things.



Across

- 1 surrounds the nucleus and controls what can enter and leave
- 4 an organism that can make its own food using chemicals in its environment
- 7 an organism that is made of only one cell
- 9 structure that assembles, packages and releases lipid and protein compounds
- 12 structure found on the outside of plant and bacteria cells that provide protection and support for the cell
- 13 surround the cell and controls what goes into and out of the cell
- 19 structure found mainly in plant cells that uses the energy from sunlight to turn chemicals into food
- 20 small pair of structures near the nucleus that are used during cell division to separate chromosomes
- 21 when an organism assembles smaller molecules to form larger molecules
- 22 small structure in the cytoplasm and uses amino acids to make proteins
- 23 structure that takes chemical compounds and uses them to produce energy

Down

- 2 threadlike structures in the nucleus that contain the DNA code
- 3 pathways throughout the cytoplasm that allow chemicals to move from one part of the cell to another
- 5 a gel of protein and other chemicals that hold all of the other cell organelles in place
- 6 small structures found in the nucleus of some cells that produce RNA and make ribosomes
- 8 small hairlike projections on the outside of some cells that are used for movement
- 10 controls all of the cell's activity using DNA codes
- 11 the process and organism uses to keep its internal environment constant
- 13 structures made of filaments and tubules that help give the cell its shape
- 14 saclike structure in the cytoplasm that digests food materials and recycles old cell parts
- 15 structure in the cytoplasm that holds water
- 16 anything in an organism's environment that produces a response
- 17 the part of the microscope that adjusts the amount of light going thru the specimen
- 18 long whip-like hair that is used by some cells for movement