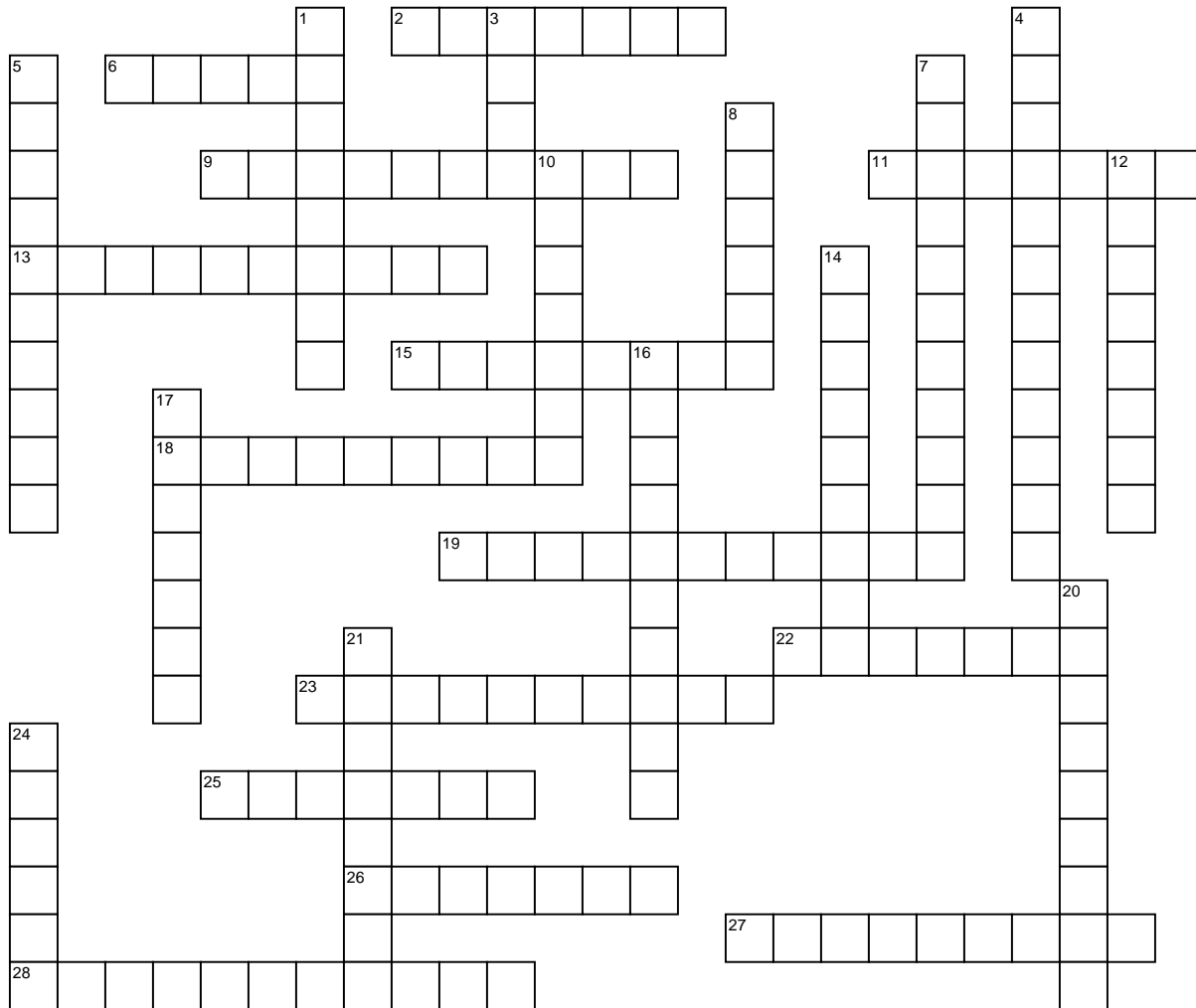


Biology

Lesson 1.1 -- Units of Life



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ACROSS

- 2** A cavity that is within the cytoplasm, filled with a watery fluid, bound by a membrane, and considered to be nonliving.
- 6** Cell organelle, important for glycosylation and secretion in cells.
- 9** A unit of protoplasm in one cell.
- 11** The flow of water through a semi-permeable membrane
- 13** Describing a solution whose solute concentration is higher than that inside a cell.
- 15** A thin, flexible sheet of vegetable or animal tissue
- 18** Living or active in the absence of free oxygen.
- 19** To spend the winter in close quarters in a dormant condition, as bears and certain other animals.
- 22** The branch of biology that deals with the structure of organisms.
- 23** Physical and chemical processes in an organism by which living matter is produced.
- 25** The central portion of the cell protoplast
- 26** A directional or positional term meaning away from the middle or toward the side.
- 27** tissue - The cellular layer of an organism; the outer skin.
- 28** A state that exists when the concentration of a substance is the same throughout a space.

DOWN

- 1** The site of protein synthesis.

- 3** membrane - Also called the plasma membrane.
- 4** Cell organelles composed of an outer membrane and a winding inner membrane.
- 5** Cellular tissue covering all the free body surfaces
- 7** A chemical process that takes place in living cells whereby food is "burned" to release energy
- 8** transport - The movement of a substance across a cell membrane against a concentration gradient
- 10** Pertaining to organisms that grow only in the presence of oxygen
- 12** Describing a solution whose solute concentration equals that inside a cell.
- 14** The process by which molecules move from an area of greater concentration to an area of lesser concentration.
- 16** The intake of water, gases, nutrients or other substances.
- 17** transport - The movement of substances across a cell membrane without the use of cell energy.
- 20** Describing a solution whose solute concentration is lower than inside a cell.
- 21** respiration
- 24** Groups of cells working together to carry out a common function.