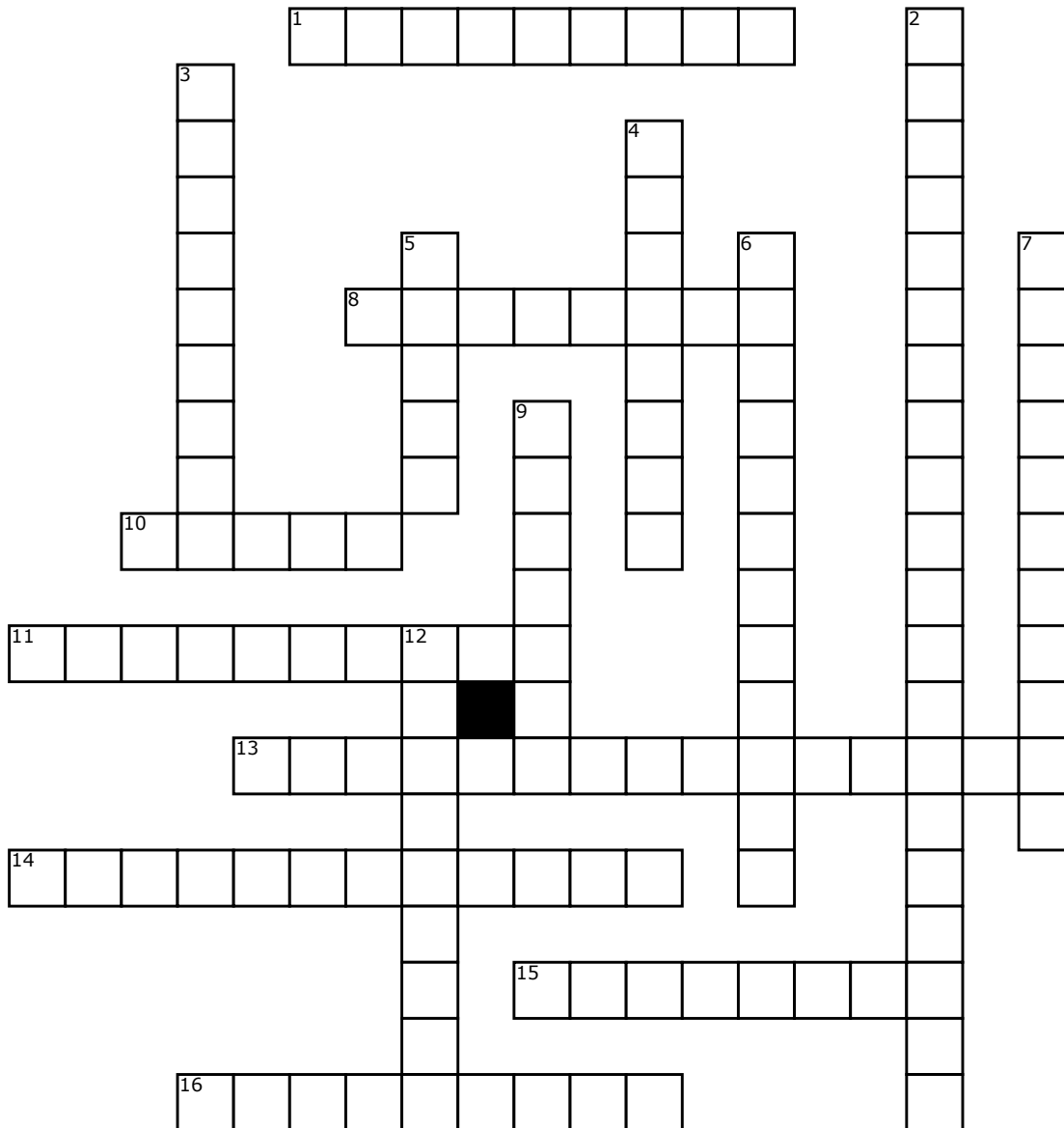


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# #1 Cell Tick-Tac-Toe Crossword Puzzle



## **Across**

- 1.** the material or protoplasm within a living cell, excluding the nucleus.  
**8.** a minute particle consisting of RNA and associated proteins, found in large numbers in the cytoplasm of living cells.  
**10.** smallest structural and functional unit of an organism  
**11.** a microscopic single-celled organism that has neither a distinct nucleus with a membrane nor other specialized organelles  
**13.** a complex of vesicles and folded membranes within the cytoplasm of most eukaryotic cells, involved in secretion and intracellular transport.  
**14.** an organelle found in large numbers in most cells, in which the biochemical processes of respiration and energy production occur.

**15.** a rigid layer of polysaccharides lying outside the plasma membrane of the cells of plants, fungi, and bacteria.

**16.** a slender threadlike structure, especially a microscopic whiplike appendage that enables many protozoa, bacteria, spermatozoa

## **Down**

- 2.** a network of membranous tubules within the cytoplasm of a eukaryotic cell, continuous with the nuclear membrane.  
**3.** an organism consisting of a cell or cells in which the genetic material is DNA in the form of chromosomes contained within a distinct nucleus  
**4.** an organelle in the cytoplasm of eukaryotic cells containing degradative enzymes enclosed in a membrane  
**5.** form of cilium.

- 6.** the semipermeable membrane surrounding the cytoplasm of a cell.  
**7.** a plastid that contains chlorophyll and in which photosynthesis takes place.  
**9.** a dense organelle present in most eukaryotic cells, typically a single rounded structure bounded by a double membrane, containing the genetic material.  
**12.** a number of organized or specialized structures within a living cell.