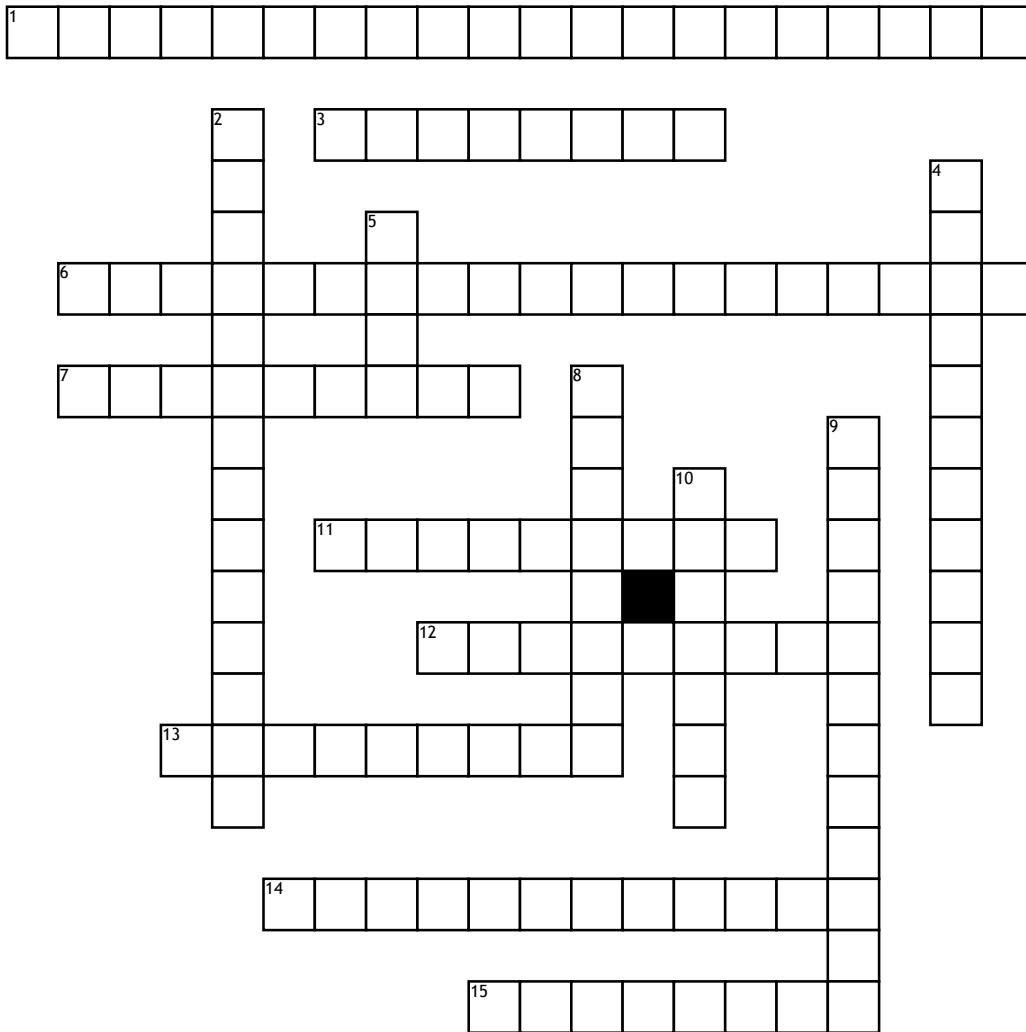


Cell Crossword Puzzle



Across

1. a network of membranous tubules within the cytoplasm of a eukaryotic cell, continuous with the nuclear membrane. It usually has ribosomes attached and is involved in protein and lipid synthesis.

3. a rigid layer of polysaccharides lying outside the plasma membrane of the cells of plants, fungi, and bacteria. In the algae and higher plants, it consists mainly of cellulose.

6. a space or vesicle within the cytoplasm of a cell, enclosed by a membrane and typically containing fluid. a small cavity or space in tissue, especially in nervous tissue as the result of disease.

7. any of a number of organized or specialized structures within a living cell. Origin

11. a small dense spherical structure in the nucleus of a cell during interphase.

12. the material or protoplasm within a living cell, excluding the nucleus.

13. 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. Eukaryotes include all living organisms other than the eubacteria and archaeobacteria.

14. an organelle found in large numbers in most cells, in which the biochemical processes of respiration and energy production occur. It has a double membrane, the inner layer being folded inward to form layers (cristae).

15. a minute particle consisting of RNA and associated proteins, found in large numbers in the cytoplasm of living cells. They bind messenger RNA and transfer RNA to synthesize polypeptides and proteins.

Down

2. a complex of vesicles and folded membranes within the cytoplasm of most eukaryotic cells, involved in secretion and intracellular transport.

4. (in green plant cells) a plastid that contains chlorophyll and in which photosynthesis takes place.

5. the smallest structural and functional unit of an organism, typically microscopic and consisting of cytoplasm and a nucleus enclosed in a membrane. Microscopic organisms typically consist of a single cell, which is either eukaryotic or prokaryotic

8. an organelle in the cytoplasm of eukaryotic cells containing degradative enzymes enclosed in a membrane.

9. the semipermeable membrane surrounding the cytoplasm of a cell.

10. a dense organelle present in most eukaryotic cells, typically a single rounded structure bounded by a double membrane, containing the genetic material.

Word Bank

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|-----------------------|-----------|-----------------|-----------------------|
| endoplasmic reticulum | nucleolus | golgi apparatus | lysosome |
| cell wall | eukaryote | cell membrane | ribosome |
| mitochondria | cell | organelle | large central vacuole |
| nucleus | cytoplasm | chloroplast | |