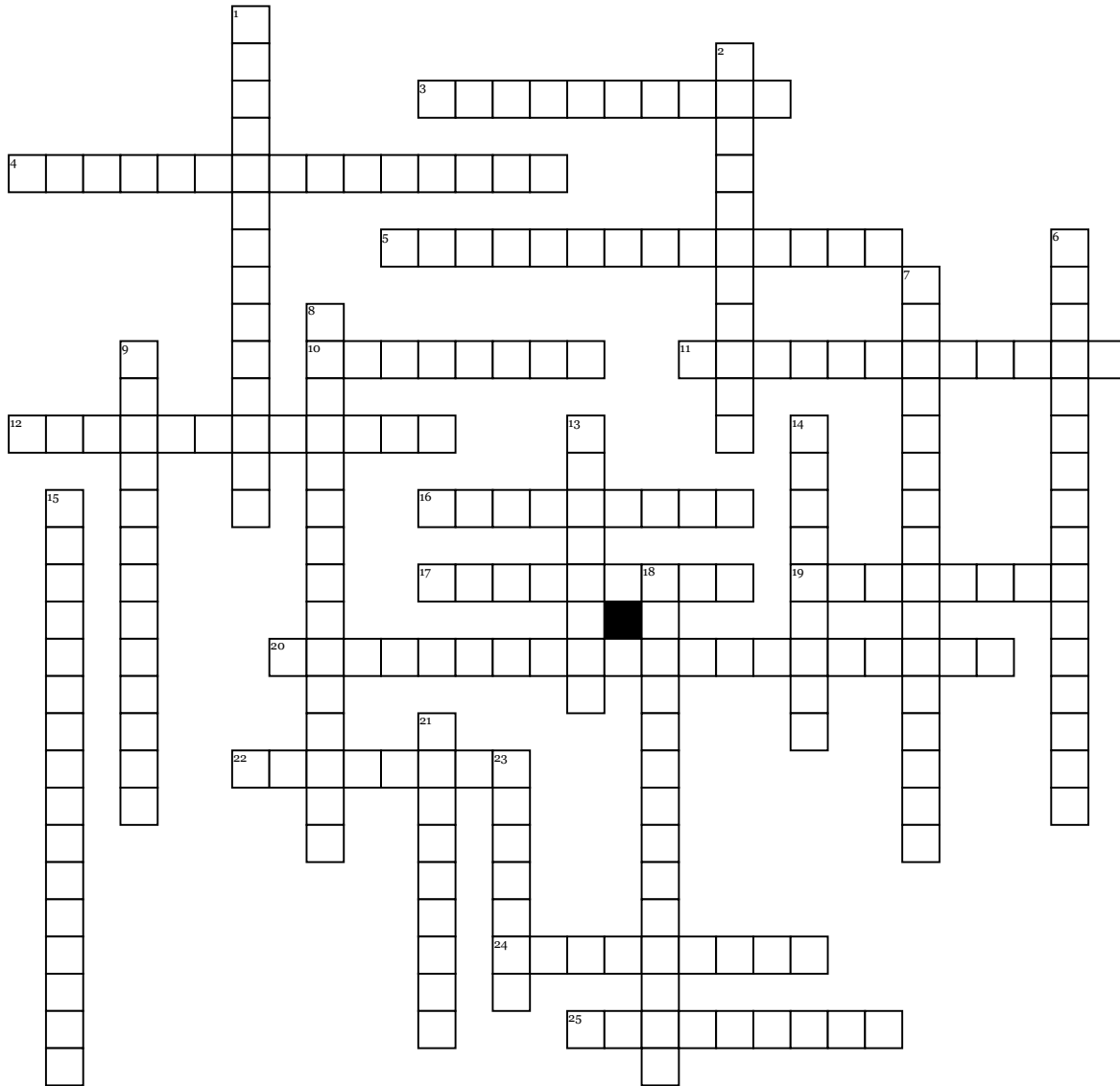


Name: _____

Date: _____

Science Crossword 2016



Across

- 3.** The transport of dissolved substances into cells.
- 4.** A highly-porous membrane that separates the nucleus from the cytoplasm.
- 5.** The semipermeable membrane between the cell contents and either the cell wall or the cell's surrounding.
- 10.** A rigid structure on the outside of certain cells, usually plant and bacteria cells.
- 11.** The organelles in which nutrients are converted to energy.
- 12.** A lipid in which one of the fatty acid molecules has been replaced by a molecule that contains a phosphate group.
- 16.** The breakdown of absorbed substances.
- 17.** Non-membrane-bounded organelles responsible for protein synthesis.
- 19.** The removal of nonsoluble waste materials.

20. An organelle composed of an extensive network of folded membranes that preforms several tasks within a cell wall.

22. ER that has no ribosomes.

24. The removal of soluble waste materials.

25. A jellylike fluid inside the cell in which the organelles are suspended.

Down

1. A large vacuole that rests at the center of most plant cells and is filled with a solution that contains a high concentration of solutes.

2. The organelles where proteins and lipids are stored and then modified to suit the needs of the cell.

6. Energy necessary to get a chemical reaction going.

7. A solution in which the concentration of solutes is essentially equal to that of the cell which resides in the solution.

8. Movement of molecules through the plasma membrane aided by a process that requires energy.

9. Vacuoles that contain the waste products of digestion.

13. The organelle in animal cells responsible for hydrolysis reactions that break down proteins, polysaccharides, disaccharides, and some lipids.

14. The release of biosynthesized substances.

15. Movement of molecules through the plasma membrane according to the dictates of osmosis or diffusion.

18. Fine, threadlike proteins found in the cell's cytoskeleton.

21. Clusters of DNA, RNA, and proteins in the nucleus of a cell.

23. ER that is dotted with ribosomes.