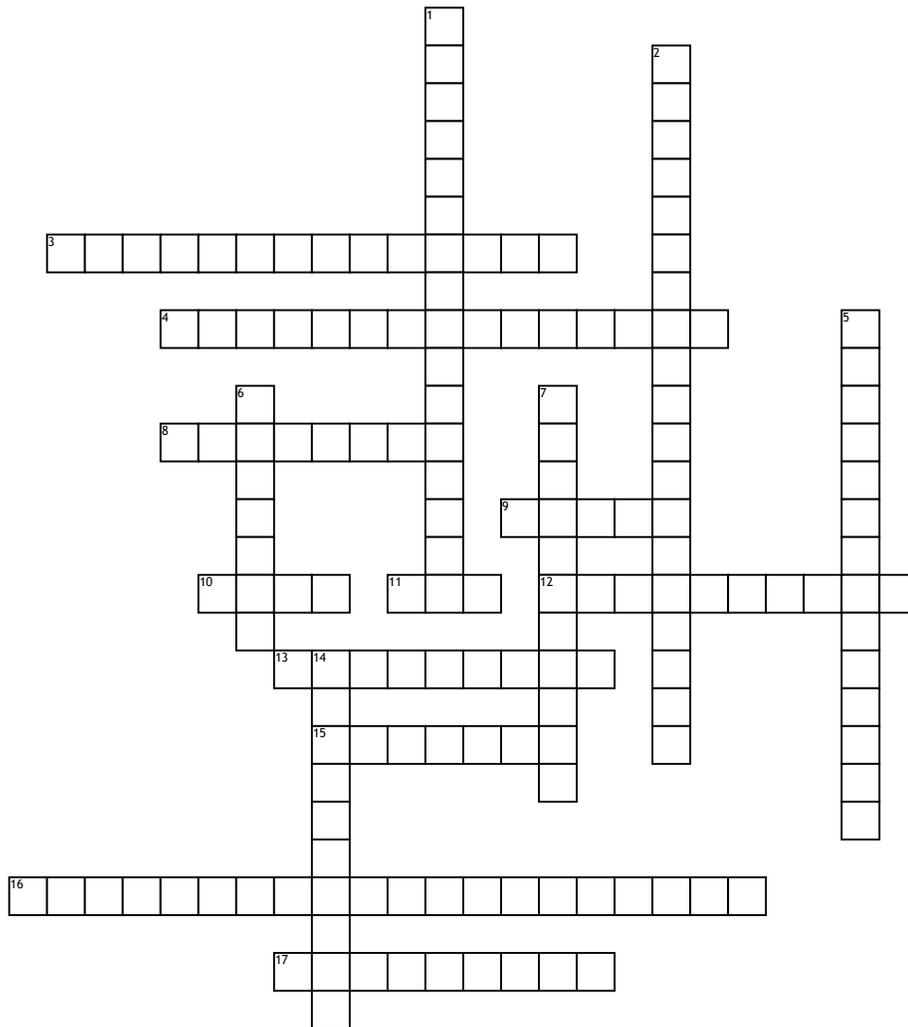


Cellular Biology



Across

- 3. Chemical process in plants that produces ATP
- 4. The movement of large particles in and out of a cell using energy
- 8. Biological chemical essential for living organisms made from chains of amino acids
- 9. A service organelle sending vesicles out through the cell
- 10. microscopic organism necessary in all living things

- 11. Chemical form of energy formed during cellular respiration
- 12. The many parts of cell, necessary for healthy function
- 13. Atoms build cells to form tissue to form organs to form organ systems to form an organism
- 15. Diffusion of water through a permeable membrane
- 16. Genetic code stored in the nucleus
- 17. Small protein factories

Down

- 1. Movement of particles down a gradient from high to low
- 2. A chemical process in animals that produces ATP.
- 5. A protective semi-permeable cellular barrier
- 6. A pathway outside the nucleus where ribosomes attach
- 7. Stores chlorophyll and performs photosynthesis
- 14. Process of expelling particles out of the cell

Word Bank

- | | | | |
|-------------|----------------------|-------------------|------------|
| Rough ER | Photosynthesis | ribosomes | Exocytosis |
| ATP | Cellular Respiration | Golgi | Proteins |
| Chloroplast | Plasma membrane | Passive Transport | cell |
| Osmosis | Deoxyribonucleicacid | Active Transport | Cell Cycle |
| organelles | | | |