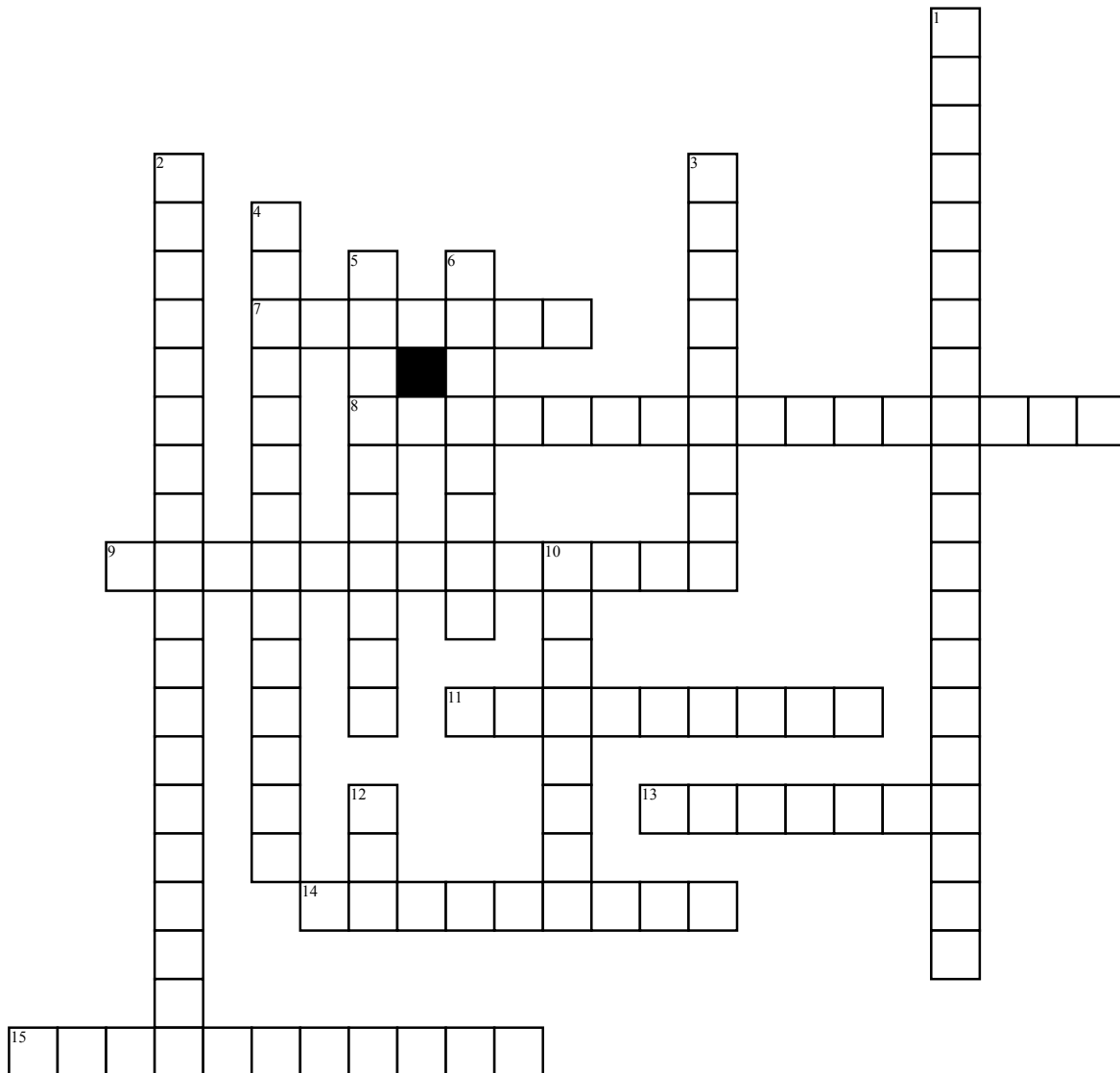


BIOLOGY TERMS



Across

- 7. diffusion of water molecules across a semipermeable membrane from an area of higher water concentration to an area of lower water concentration
- 8. process in which organisms with favorable genes are more likely to survive to reproduce.
- 9. process of copying a nucleotide sequence of DNA to form a complementary strand of mRNA
- 11. the process of change that has transformed life on Earth
- 13. proteins that act as biological catalysts, protein substances that speed up chemical reactions.

14. a substance that decreases activation energy and increases reaction rate in a chemical reaction without being used up or changed

15. process by which mRNA is decoded and a protein is produced

Down

- 1. A passive movement of particles from high to low concentration through a protein channel in a cell.
- 2. process of producing ATP by breaking down carbon-based molecules when oxygen is present.
- 3. The passive movement of particles from an area of high concentration to low concentration. This happens along a concentration gradient

4. process by which light energy is converted to chemical energy; produces sugar and oxygen from carbon dioxide and water

5. a molecule that makes up proteins; composed of carbon hydrogen, oxygen, nitrogen, and sometimes sulfur.

6. Solution that has an EQUAL concentration of dissolved particles compared with another solution

10. science of naming and classifying

12. nucleic acid molecule that allows for the transmission of genetic information and protein synthesis