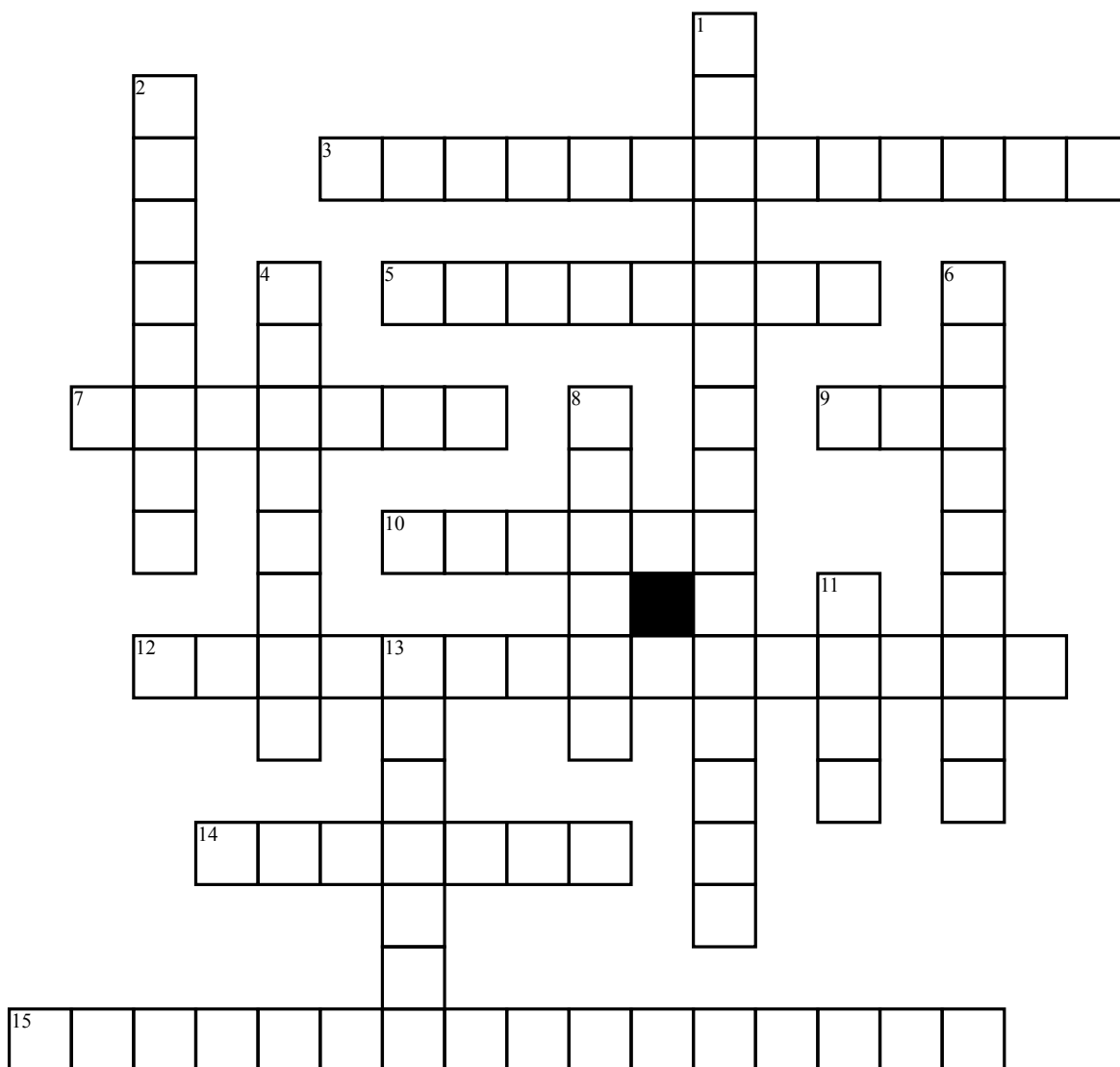


The Chemistry of Life



Across

3. a "table" that lists all the known elements in the universe
 5. a subatomic particle with a negative electrical charge
 7. the center of an atom; contains protons and neutrons
 9. an atom that has a positive or negative charge
 10. a subatomic particle with a positive electrical charge

12. an electron that is associated with an atom, and that can participate in the formation of a chemical bond
 14. an atom of an element that has a number of neutrons different from that of other atoms of the same element
 15. a chemical bond that involves the sharing of electron pairs between atoms

Down

1. creator of the first basic periodic table

2. a substance composed of two or more separate elements
 4. a group of atoms bonded together by a chemical reaction
 6. the transfer of valence electrons between two atoms
 8. any physical substance that takes up space and had mass
 11. the basic unit of matter
 13. a subatomic particle with no electrical charge