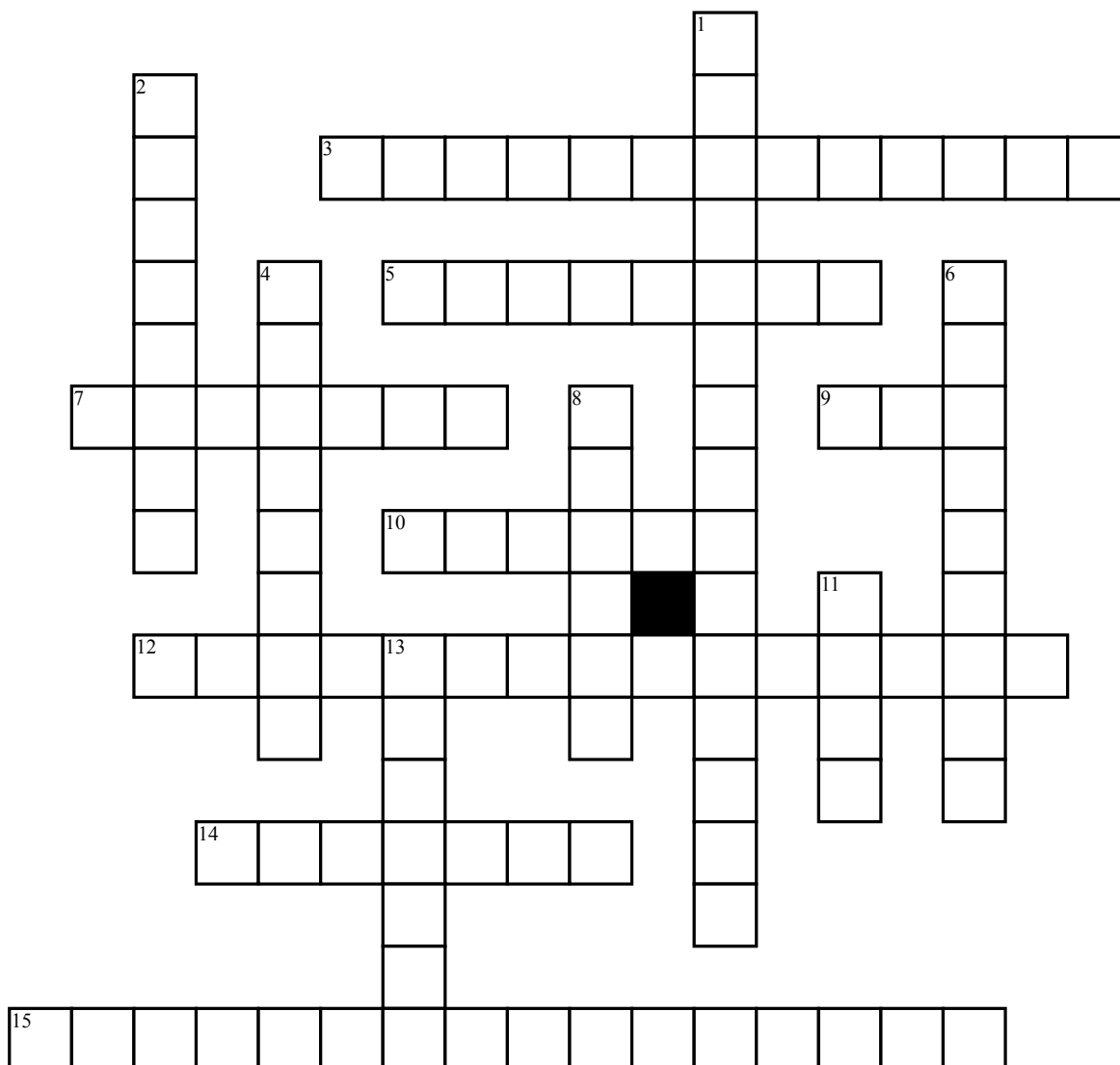


Name: _____ Date: _____ Period: _____

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