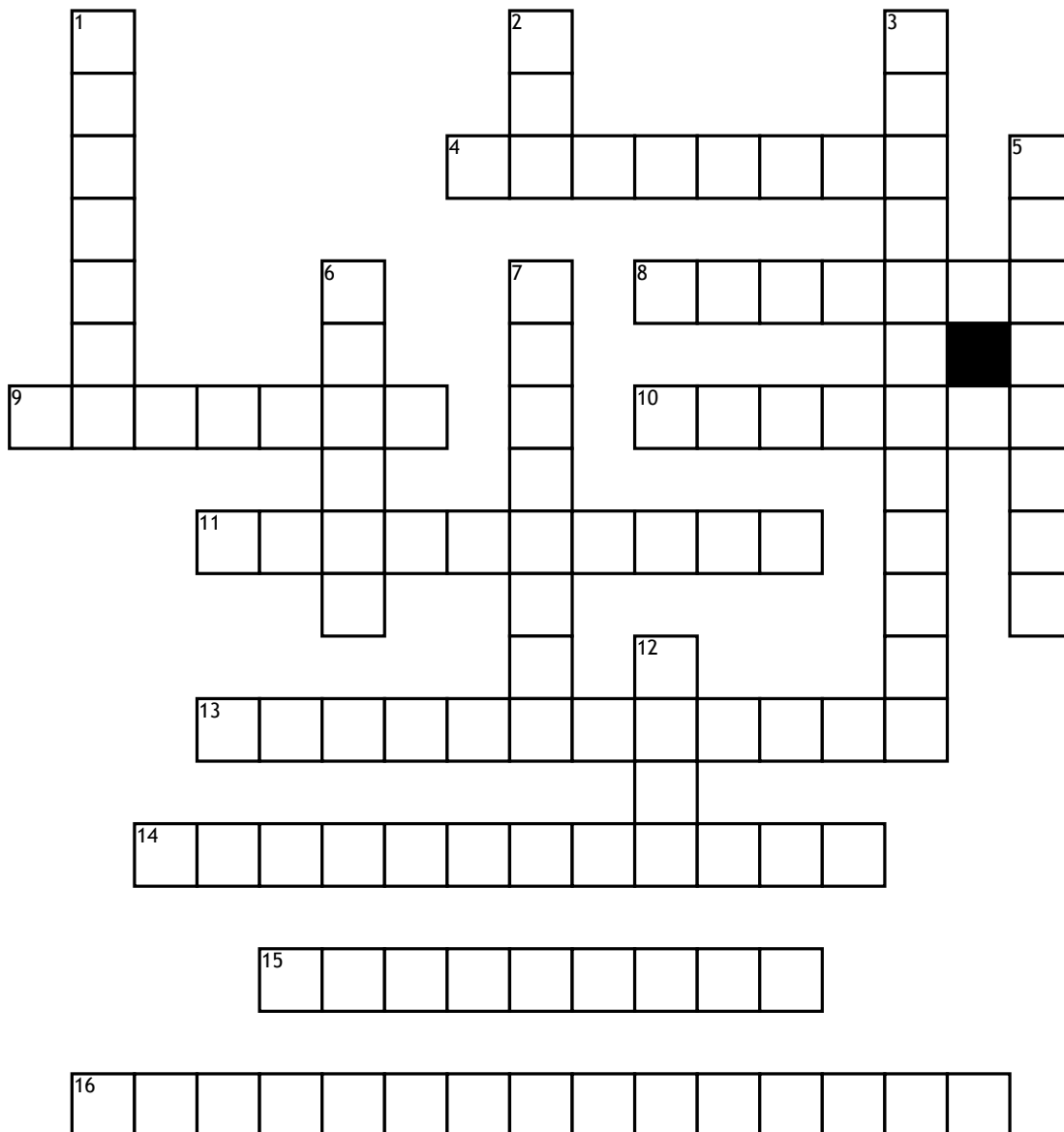


Name: _____

Date: _____

Atoms & Electrons



Across

4. two or more separate elements; a mixture

8. a form of a chemical element whose atomic nucleus contains a specific number of neutrons, in addition to the number of protons that uniquely defines the element

9. neutral charge

10. a substance consisting of atoms which all have the same number of protons

11. the mass of an atom of that element

13. non-metal+non-metal

14. the number of protons in the nucleus (which is the same as the number of electrons in the atom)

15. metal+non-metal

16. an expression which states the number and type of atoms present in a molecule of a substance

Down

1. a substance made by mixing other substances together

2. 2 hydrogens+1 oxygen

3. the electrostatic attraction between polar groups that occurs when a hydrogen (H) atom bound to a highly electronegative atom such as nitrogen (N), oxygen (O) or fluorine (F) experiences attraction to some other nearby highly electronegative atom

5. negative charge

6. positive charge

7. a group of atoms bonded together, representing the smallest fundamental unit of a chemical compound that can take part in a chemical reaction

12. the basic unit of a chemical element