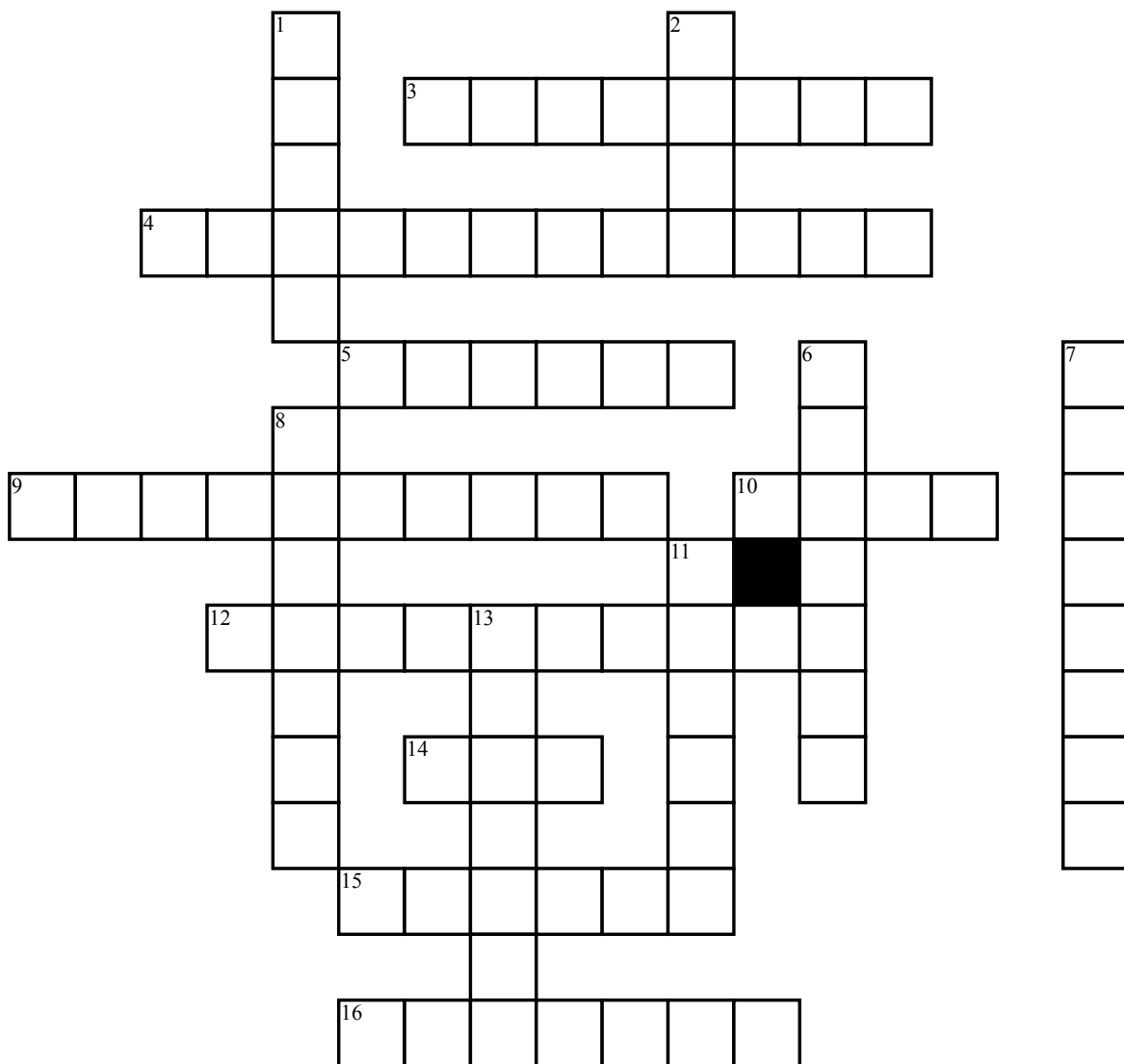


Name: _____

Date: _____

ATOMS



Across

- 3.** a particle that is contained in an atom outside of the nucleus
4. the number of protons an atom has
5. positively charged ion due to losing electrons
9. 1909 discovered the nucleus and protons
10. 1913 discovered electrons move around nucleus in circular, distinct paths
12. the number of protons and neutrons in the nucleus of an atom

- 14.** an atom that has gained or lost electrons and thus has a charge
15. a particle that is contained in the nucleus of an atom and has a positive charge
16. a substance that cannot be broken down into simpler substances

Down

- 1.** negatively charged ion due to gaining electrons
2. the smallest article of an element

- 6.** 1897 discovered the electron; plum-pudding model
7. 1932 discovered neutrons, student of Rutherford
8. a particle that is contained in the nucleus of an atom and has NO charge
11. 1808 proposed that atoms of different elements can have similarities, but are not completely identical
13. atoms of an element with different numbers of neutrons in their nucleus