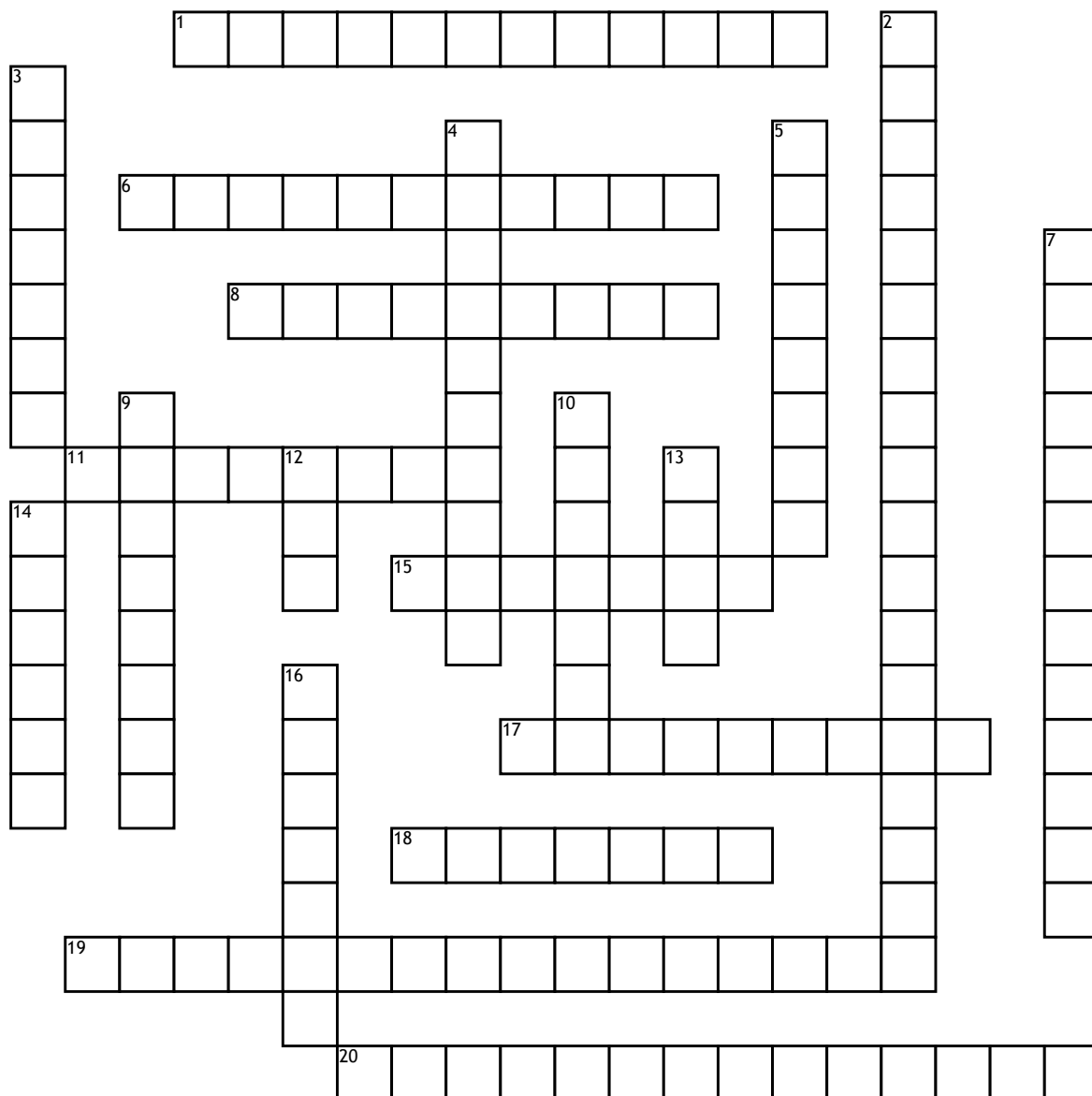


Name: _____

Date: _____

The periodic table of elements



Across

1. A measurement of the total number of particles in an atoms nucleus

6. Model that shows electrons orbiting the nucleus of an atom somewhat like planets orbiting around the sun

8. The chemical element of atomic number 19

11. member of boron family most abundant in earth crust

15. Uncharged particles found within a nucleus

17. An element whose properties are intermediate between those of metals and solid non-metals or semi conductors

18. The chemical element of atomic number 33

19. Outermost shell surrounding an atomic nucleus

20. Simplified representation of the valence shell electrons in a molecule

Down

2. Building blocks of an atom

3. Composed protons and neutrons found in the center of an atom

4. Number of protons + number of neutrons

5. The chemical element of atomic number 1

7. A table of the chemical elements arranged in order of atomic number

9. Negativity charged particles that surround an atoms nucleus, have literally no mass

10. atoms that have the same number of protons and electrons but different numbers of neutrons

12. An atom or molecule with a net electric charge due to the loss or gain of one or more electrons

13. Smallest particle of an element

14. Positively charged particles found within a nucleus, has a mass of one

16. Pure substance that cannot be broken down into any other substances