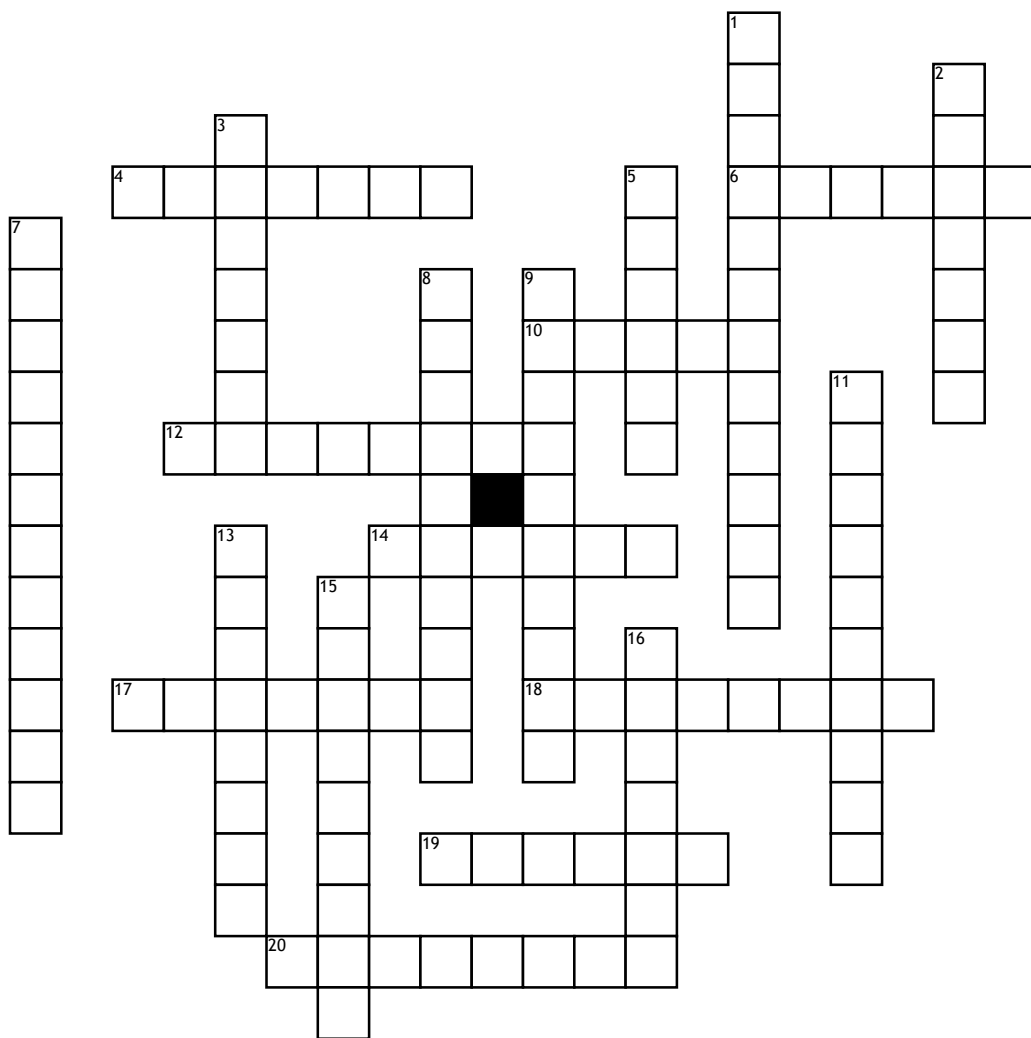


Name: _____

Date: _____

Test Your Knowledge of the Periodic Table



Across

4. a subatomic particle with no charge
 6. mainly found on the left side of the periodic table
 10. a negatively charged ion
 12. two or more forms of the same element that contain equal numbers of protons but different numbers of neutrons
 14. columns that have similar properties to include reactivity
 17. the electrons found in the outermost shell of an atom
 18. a subatomic particle with a negative charge

19. subatomic particle in the nuclei, with a positive electric charge
 20. cannot be broken down into a simpler substance and have the same chemical properties

Down

1. the number of protons in the nucleus of an atom, which determines the chemical properties of an element and its place in the periodic table.
 2. nonmetallic elements that form strongly acidic compounds with hydrogen from which simple salts can be made.
 3. where the protons and neutrons of an atom are located
 5. a positively charged ion

7. very reactive, electropositive, monovalent metals forming strongly alkaline hydroxides.

8. elements in the same group have similar

9. the total number of protons and neutrons in a nucleus.

11. share characteristics of both metals and nonmetals

13. seven chemical elements that make up Group 18

15. elements which form negative ions by accepting or gaining electrons

16. _____ are horizontal rows that have the same number of energy levels or energy shells

Word Bank

periods	cation	alkali metals	nonmetals	isotopes
properties	metalloids	electron	nucleus	noble gas
atomic number	groups	mass number	valence	Metals
Halogen	elements	anion	neutron	proton