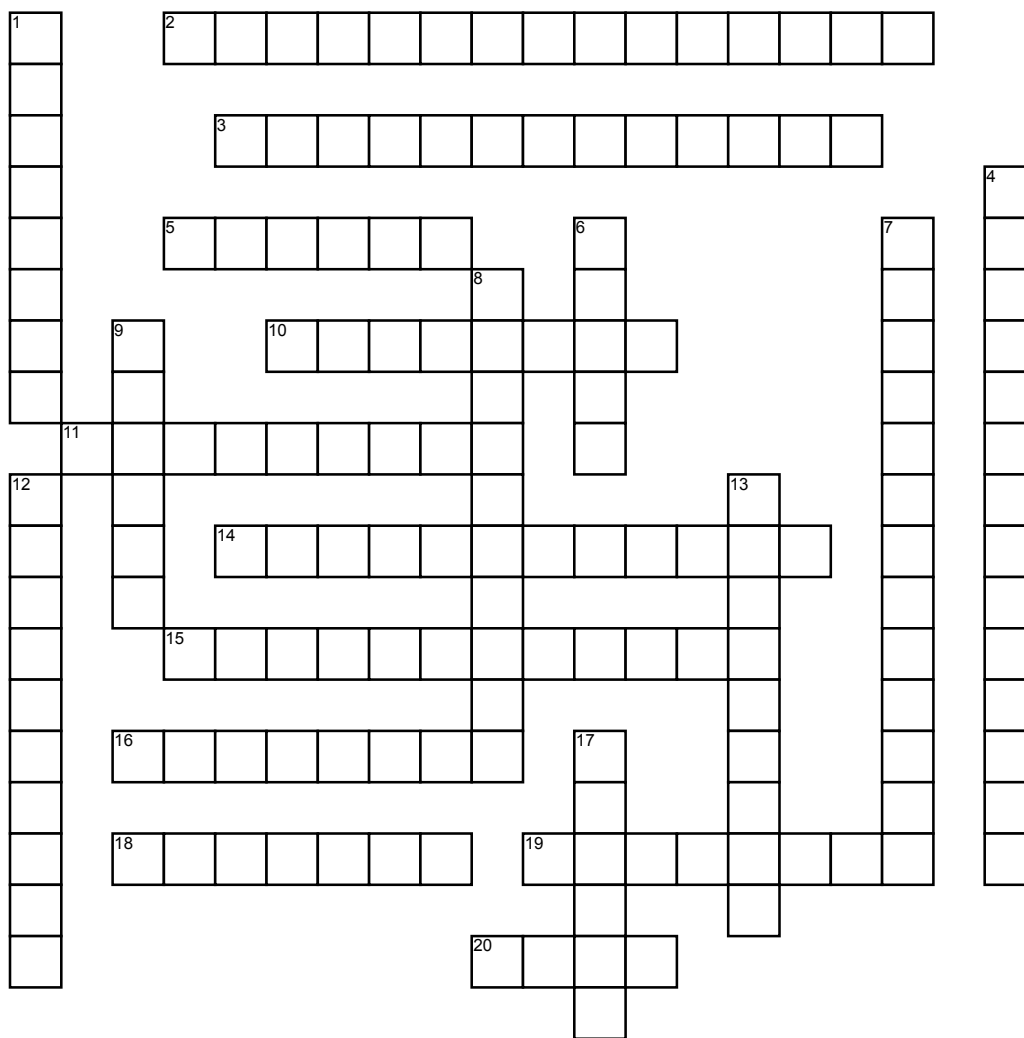


Name: _____ Date: _____ Period: _____

Periodic Table Crossword



Across

2. an electron in the outermost energy level of an atom
 3. arrangement of elements into families and rows
 5. horizontal row of elements in the periodic table, atomic number and mass increases across this row
 10. a negatively charged subatomic particle found in the energy level of an atom
 11. very dangerous element
 14. number of protons in the nucleus of an atom (also the number of electrons if it's not an ion)

15. interaction that holds atoms or ions together either by sharing electrons or giving away / taking electrons
 16. Group 17 nonmetals on the periodic table that contain 7 valence electrons.
 18. a neutral subatomic particle in the nucleus of an atom
 19. an element or substance that is not a metal.
 20. smallest particle an element can be divided and still be that same element; building block of matter

Down

1. group of atoms held together by a chemical bond

4. very simplified representation of the valence shell electrons in a molecule
 6. vertical column in the periodic table, also known as a family; elements in this column have similar physical and chemical properties
 7. abbreviation for an element's name
 8. total number of protons and neutrons in an atom's nucleus; the number of nucleons
 9. element that makes your burps and farts stink
 12. Group 18 elements on the periodic table that contain 8 valence electrons
 13. Invented the periodic table
 17. a positively charged subatomic particle in the nucleus of an atom

Word Bank

Atomic number	sulfur	electron	Chemical bond	Plutonium
Atom	Element symbol	Noble Gases	nonmetal	Period
neutron	Halogens	Periodic table	valance electron	Molecule
group	mendeleev	Atomic mass	proton	Lewis Structure