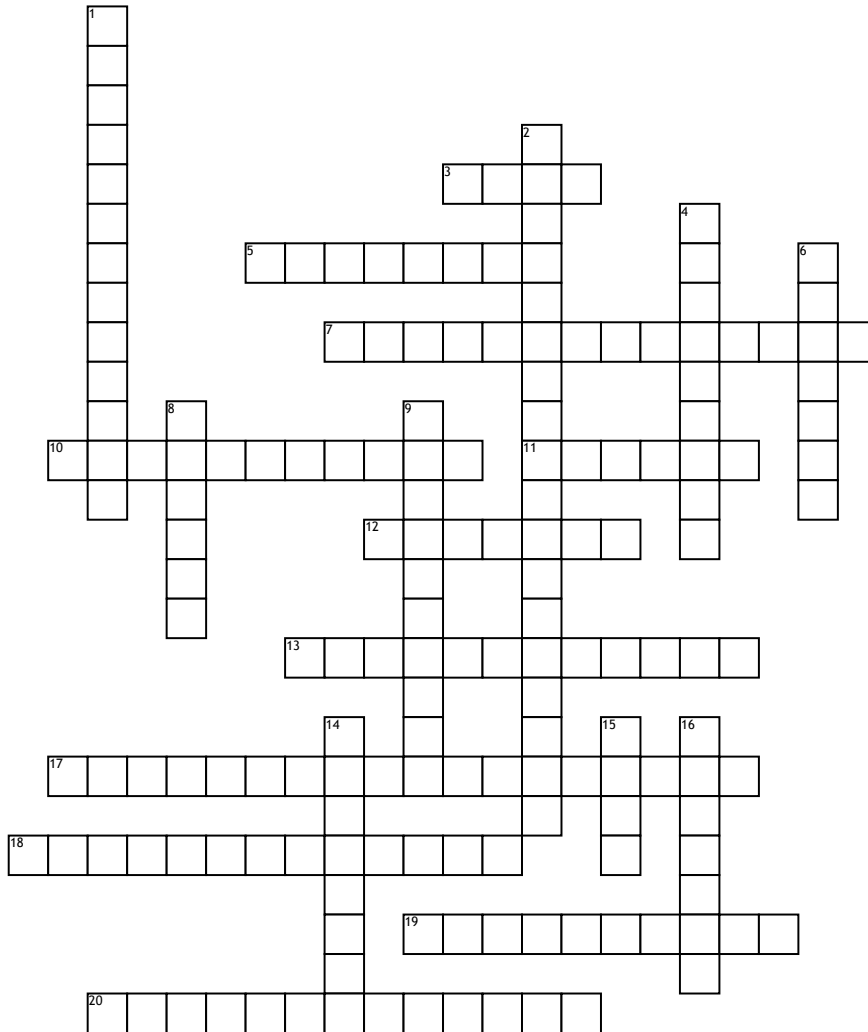


Periodic Table



Across

- 3. contains a central nucleus surrounded by electrons
- 5. any of the gaseous elements helium, neon, argon, krypton, xenon, and radon, occupying Group 0
- 7. Has a group of elements with similar chemical properties
- 10. Is the most reactive of all the metals has 1 valance electron and has good conductors
- 11. What is positive charged and it determines the elements identity?
- 12. What has the atom with the same number of protons but different number of neutrons?
- 13. What tells how large an atom is ?

17. What is a characteristic of a substance that describes its ability to change into different substances ?

- 18. It is used to describe where electrons are when they go around the nucleus of an atom
- 19. concluded that the nucleus contains all the mass of the atom and is positively charged
- 20. What is found in the central area of atom and is composed of protons and neutrons?

Down

- 1. What is called a table of chemical elements ?
- 2. What is a characteristic that can be observed without changing it into another substance ?

4. An element whose properties are intermediate between those of metals and solid nonmetals.

- 6. They are reactive nonmetallic elements that form strongly acidic compounds with hydrogen, from which simple salts can be made.
- 8. Father of atomic theory
- 9. the total number of protons and neutrons in a nucleus.
- 14. What is negative that is arranged in shells and is relatively charged?
- 15. What is the smallest unit of matter?
- 16. Is large with no mass

Word Bank

- | | | | |
|---------------------|---------------------|----------------|----------------|
| Rutherford | Electron | atomic nucleus | Isotope |
| alkali metal | Proton | Atomic radius | dalton |
| Noble gas | metalloid | mass number | Periodic Table |
| Chemical family | chemical properties | Bohr | Atom |
| physical properties | Neutron | Electron cloud | halogen |