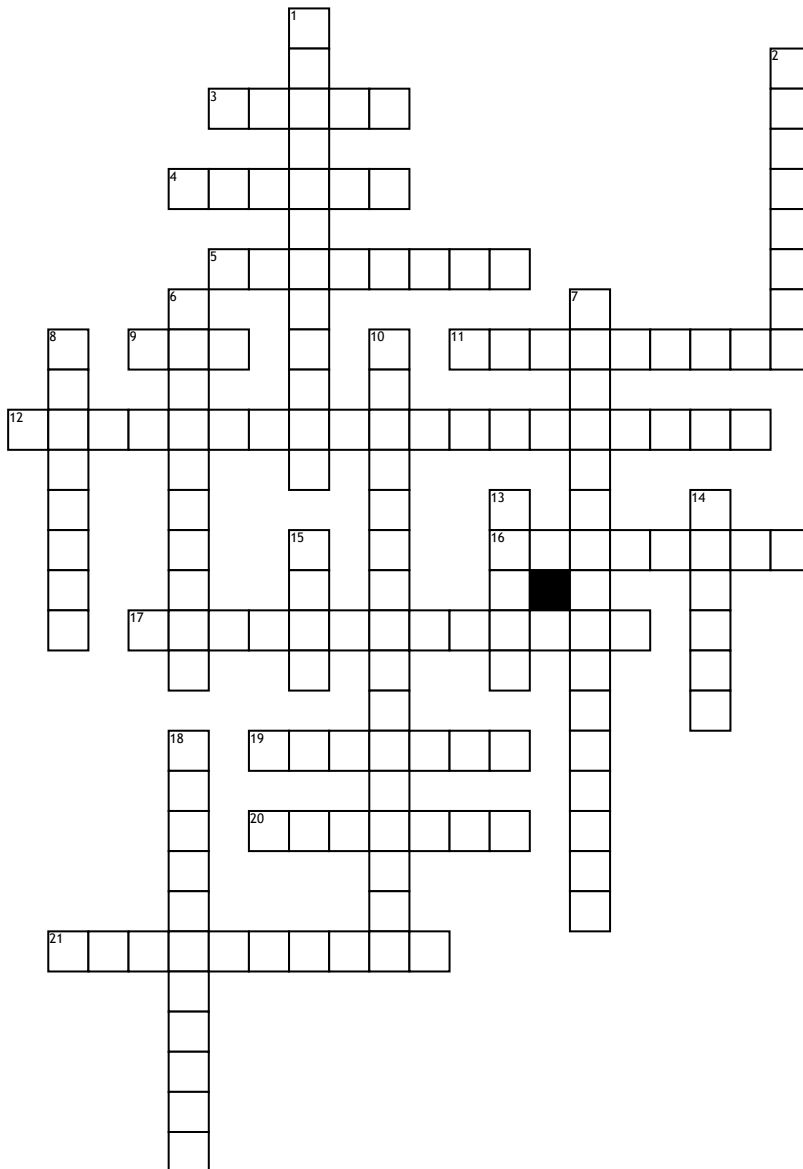


Periodic Table



Across

- 3. a vertical column in the periodic table.
- 4. a horizontal row in the periodic table.
- 5. a element that does not conduct electricity or heat and is usually a gas at room temperature.
- 9. an atom that has gained or lost one or more electrons.
- 11. a element that has some properties of a metal and some properties of a nonmetal.
- 12. group 1 metals on the periodic table that contain 2 valence electrons and are the second most reactive metals.
- 16. a stable subatomic particle with a charge of negative electricity, found in all atoms and acting as the primary carrier of electricity in solids.
- 17. a chart of all the known elements in order of of increasing atomic numbers.
- 19. a substance made of one type of atom.

20. a subatomic particle of about the same mass as a proton but without an electric charge, present in all atomic nuclei except those of ordinary hydrogen.

21. the number of protons and neutrons in the nucleus of one atom of the element, located under the element symbol.

Down

- 1. the number of protons contained in each nucleus of its atom of the element, located over the elemental symbol.
- 2. a substance made of two or more types of atoms chemically bonded together.
- 6. group 18 elements on the periodic table that contain 8 valence electrons and a full valence shell making them very stable and inert.
- 7. electrons that are located in the outermost energy level of an atom.

8. group 17 nonmetals on the periodic table that contain 7 valence electrons. they only need to gain 1 valence electron to have a stable octet.

10. group 3-12 on the periodic table. they have varying valence electrons and do not follow the normal trends of the other metals.

13. a element or substance that conducts heat and electricity, is malleable and ductile and has low electronegativity values.

14. a stable subatomic particle occurring in all atomic nuclei, with a positive electric charge equal in magnitude to that of an electron, but of opposite sign.

15. the smallest unit of an element that has all of the properties of the element.

18. group 1 on the periodic table that contain 1 valence electron and loose their valence electrons the most easily, making them the most reactive metals.