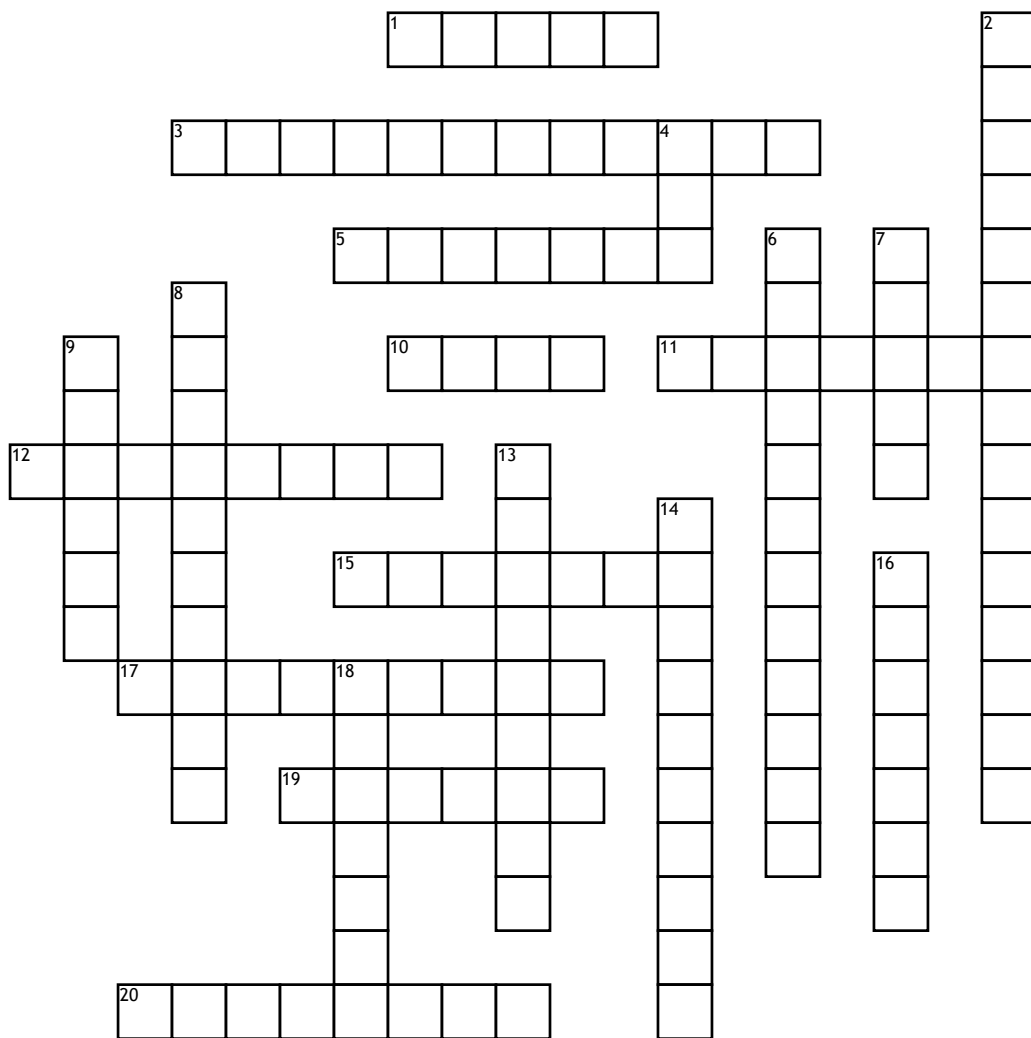


Name: _____

Date: _____

Periodic Table



Across

1. An element or substance that conducts heat and electricity, is malleable, ductile, and has low ionization energy.
3. A physical property of a material that can transfer heat or electricity.
5. An uncharged subatomic particle with a mass of 1 relative to a proton and a relative charge of 0.
10. The smallest unit of an element that has all of the properties of the element.
11. Atoms of an element with the same number of protons and electrons but different number of neutrons.
12. An element or substance that does not conduct electricity or heat, is usually a gas at room temperature, is brittle, and has high ionization energy.

15. A physical property of a material that can be pulled out into a long wire.

17. A physical property of a material that can be hammered or rolled into flat sheets or other shapes.

19. A horizontal row on the periodic table.

20. A subatomic particle with a negative charge and a negligible mass relative to protons and neutrons.

Down

2. An electron in the outermost energy level of an atom.

4. An atom that has gained or lost one or more electrons.

6. The number of protons contained in each nucleus of its atoms of the element.

7. A vertical column on the periodic table.

8. The number of protons and neutrons in the nucleus of one atom of the element.

9. A subatomic particle with a positive charge and a relative mass of 1 and a relative charge of +1.

13. An element that has some properties of a metal and some properties of a nonmetal.

14. The ease and speed with which an element combines or reacts with other elements to form a new substance.

16. The central part of an atom that contains protons and neutrons and has most of the mass of an atom.

18. A substance that cannot be broken down into a simpler substance.

Word Bank

Malleable

Metal

Ductile

Metalloid

Valance electron

Non-metal

Period

Atomic mass

Isotope

Reactivity

Atomic Number

Neutron

Element

Ion

Electron

Conductivity

Atom

Proton

Nucleus

Group