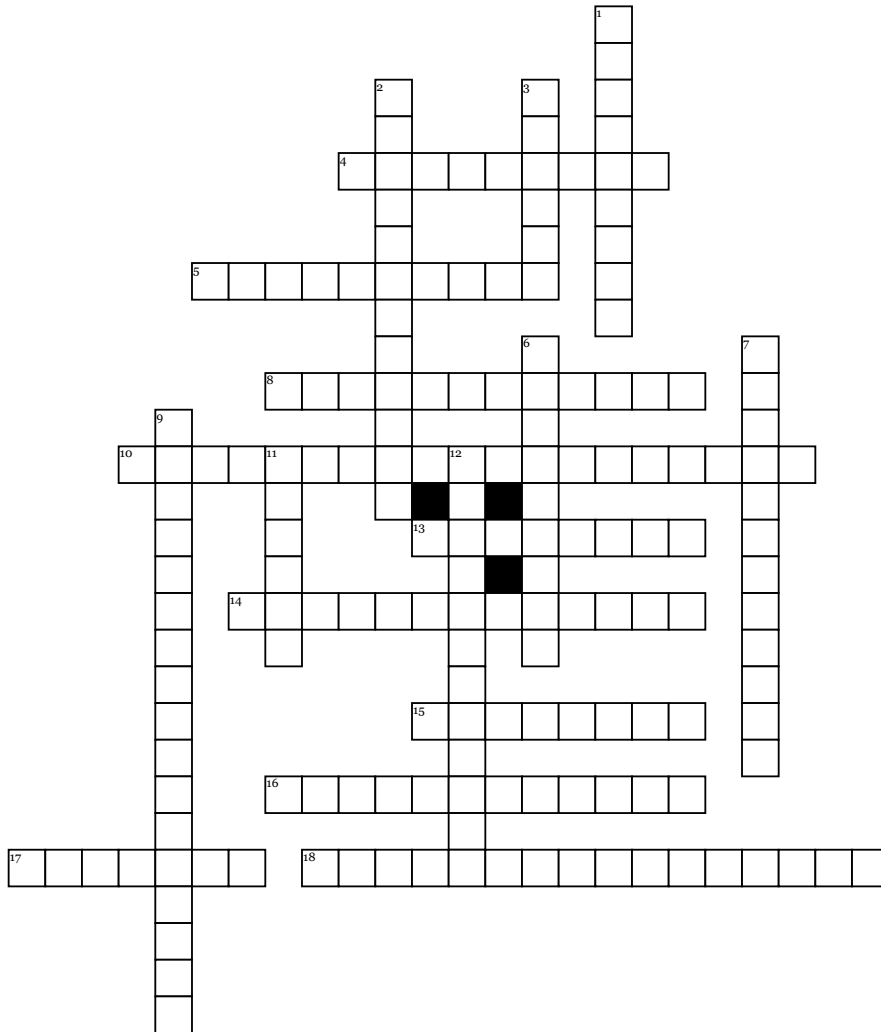


# Periodic Table



## Across

- 4.** element whose atoms gain or share electrons in chemical reactions; poor conductor of heat and electricity  
**5.** The total number of protons and neutrons in an atom's nucleus  
**8.** The number of protons in the nucleus of an atom of an element  
**10.** Name for elements in group 2  
**13.** a non-reactive element in Group 18 on the periodic table of elements: helium, neon, argon, krypton, xenon, radon  
**14.** A chart of elements arranged into rows and columns according to their physical and chemical properties increasing by atomic number

## Word Bank

Ductility  
 Malleability  
 Metalloid  
 Atomic Number  
 Luster

Electronegativity  
 Atomic Radius  
 Periodic Table  
 Metals  
 Bromine

Alkali metals  
 Alkaline earth metals  
 Transition metals  
 Halogens

Atomic number  
 Non Metals  
 Atomic Mass  
 Noble Gas

- 15.** Name for elements in group 17  
**16.** Name for elements in group 1  
**17.** Only halide that's a liquid  
**18.** Name for elements in groups 3-12

## Down

- 1.** elements that have qualities of both metals and nonmetals  
**2.** Elements in the Periodic Table are arranged according to their  
**3.** elements that are opaque, malleable, ductile, and typically lustrous substances that are good conductors of heat and electricity  
**6.** The ability to be pulled into thin wires

- 7.** The ability for a substance to be hammered into sheets  
**9.** a measure of attraction of a nucleus of an atom in a chemical reaction for a covalently bonded electron  
**11.** Describes the ability of metal to reflect light  
**12.** half the distance between the nuclei of identical atoms bonded together