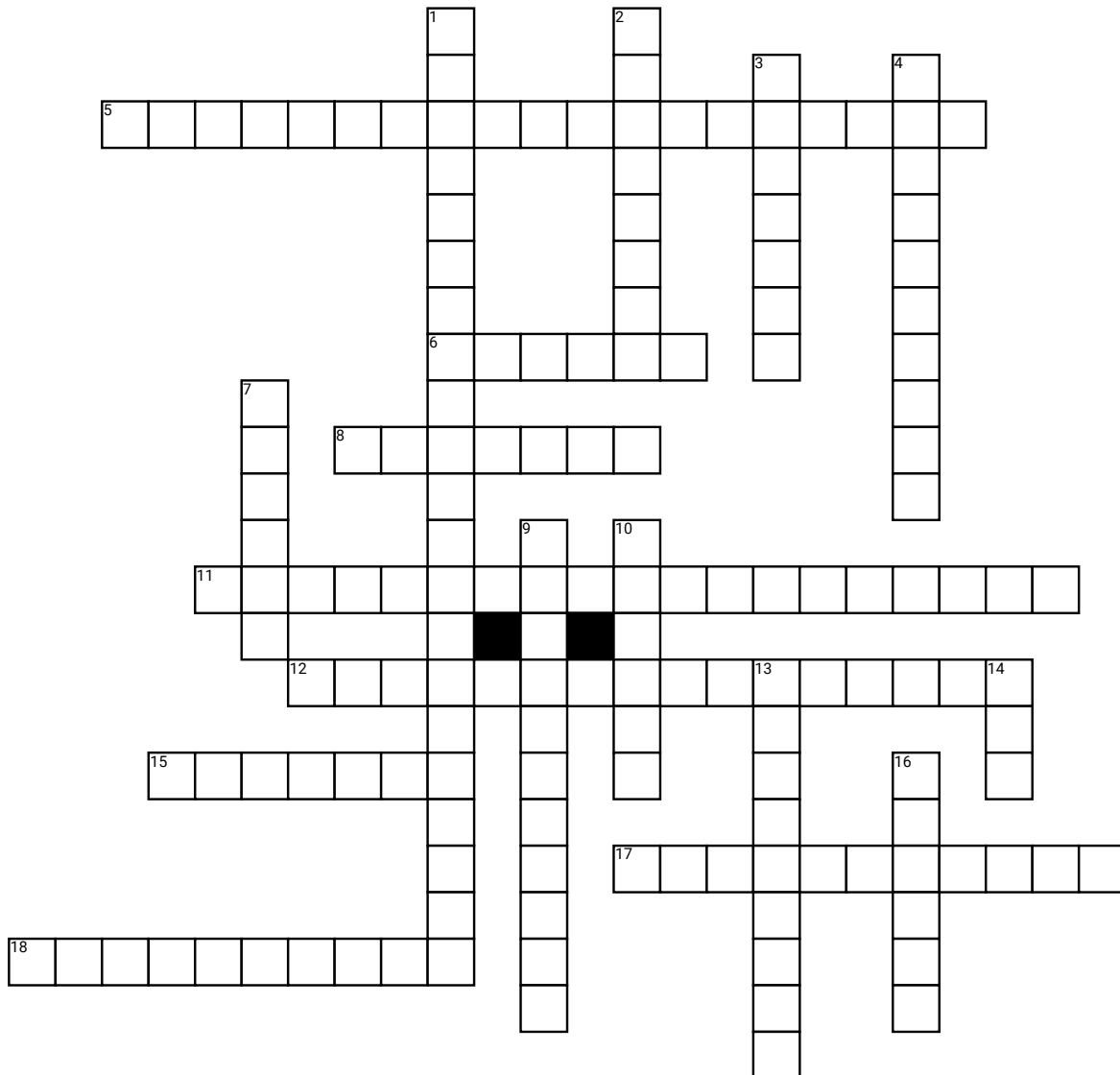


Chapter 4: The Periodic Table



Across

- 5.** a way to depict atoms; shows the chemical symbol with the valence electrons around the symbol
- 6.** the most reactive of all metals
- 8.** This person discovered a way to determine the atomic number for each element
- 11.** magnesium is an example of this group on the periodic table
- 12.** groups 3-12 of the periodic table
- 15.** an electron in the outermost energy level of a neutral atom

- 17.** contains metals, non-metals and metalloids

- 18.** brittle solid with metallic luster that has characteristics between metals and nonmetals

Down

- 1.** located below the periodic table
- 2.** gas, liquid or a dull, brittle solid; located on the right side of the periodic table
- 3.** located in group 17 of the periodic table
- 4.** element in group 18 and is considered nonreactive

- 7.** 80% of the periodic table are made of these

- 9.** the law that states the properties of the elements vary with their atomic numbers in a regular, repeated pattern

- 10.** a column of elements in the periodic table

- 13.** This person organized our elements in a table much like our modern periodic table

- 14.** Number of valence electrons in sulfur (S)

- 16.** a row in the periodic table of the elements is called this