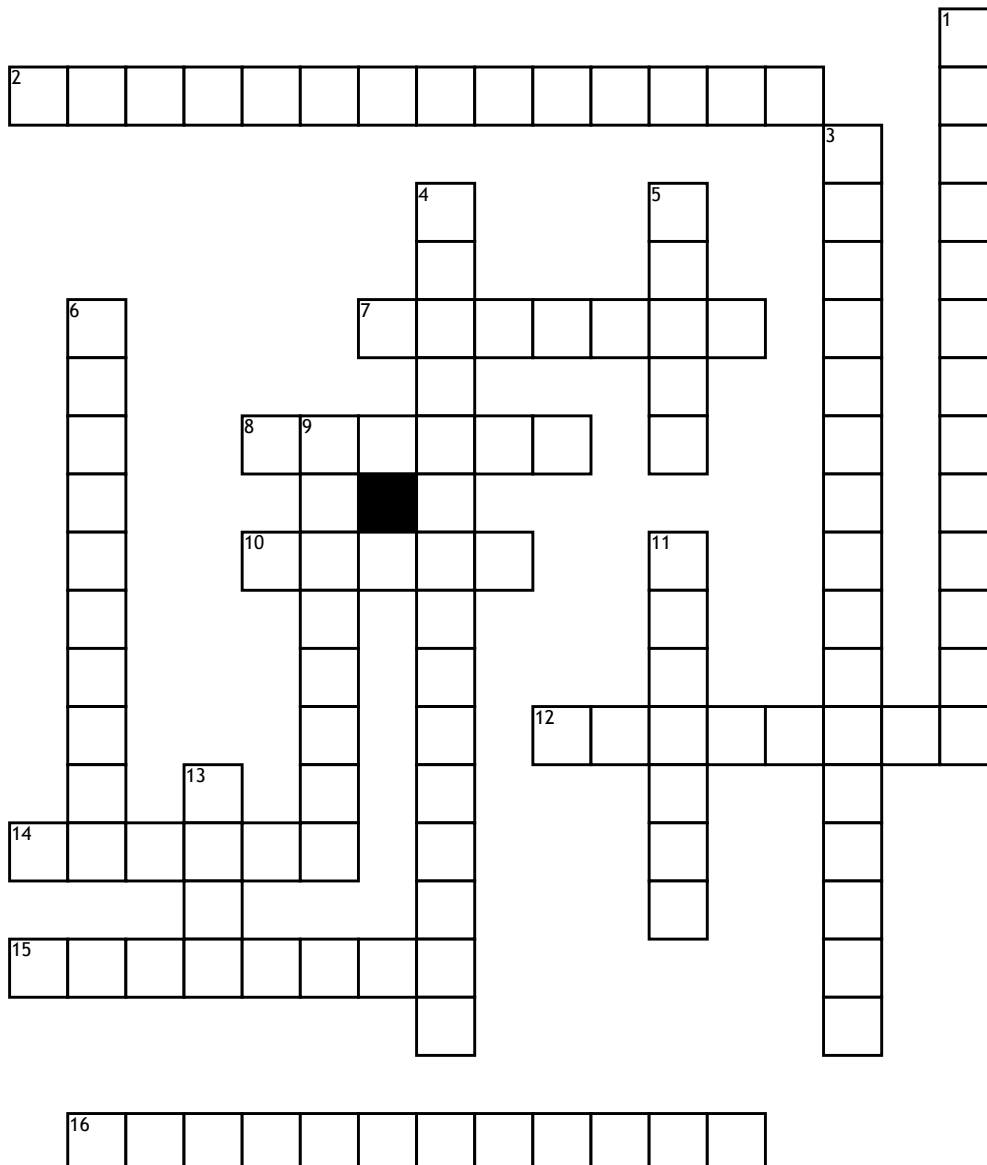


Periodic Table Crossword Puzzle



Across

2. a one-, two-, or three-letter abbreviation of the name of an element
7. a subatomic particle that has no charge and that is located in the nucleus of an atom
8. in chemistry, a horizontal row of elements in the periodic table
10. an element that is shiny and that conducts heat and electricity well
12. a group of atoms that are held together by chemical bonds; it is also the smallest unit of a substance that can exist by itself

14. a subatomic particle that has a positive charge and is located in the nucleus of an atom

15. an element that conducts heat and electricity poorly

16. a interaction that holds atoms or ions together

Down

1. an arrangement of the elements in order of their atomic numbers such that elements with similar properties fall in the same column, or group

3. a representation of a chemical reaction that uses symbols to show the relationship between the reactants and the products

4. a combination of chemical symbols and numbers to represent a substance

5. a vertical column of elements in a periodic table that share chemical properties

6. the sum of the numbers protons and neutrons in the nucleus of an atom

9. a subatomic particle that has a negative charge

11. in physical science, an atom's central region, which is made up of protons and neutrons

13. the smallest unit of an element that maintains the properties of that element