

# » Georgia Tech Year of the Periodic Table 2019

**Periodic Table For Beginners:** Find answers in the periodic table.

1. How many elements are in the periodic table? **118**
2. Look at the numbers at the top of each column in the periodic table. What is the first element in Group 1? **Hydrogen**
3. What is the first element in Group 14? **Carbon**
4. What element has the highest atomic number? **Oganesson**
5. Pick a number between 1 and 118. What element has an atomic number that coincides with your choice?
6. What element symbols can you find in your name? For example: JOHN: O = Oxygen; H = Hydrogen; N = Nitrogen
7. What element symbols can you find in these animal names? **B At, Se Al, Co W, C O W, S H Ar K**
8. What element symbols can you find in these fruits and vegetables: **Ba Na Na, Ca B Ba Ge, O Ra N Ge, K I W I S, Br O C Co Li, Br O C C O Li, S P I N Ac H**
9. What element names can you find in these celestial bodies? **Mo O N, S U N, S At U Rn, U Ra N U S**
10. What elements are grouped as alkali metals? **Li, Na, K, Rb, Cs, Fr**
11. What is the biggest class of elements in the periodic table? **Transition metals**
12. What is the first transition metal in the periodic table? **Scandium**
13. What is the first alkaline earth metal? **Beryllium**
14. What is the first halogen? **Fluorine**
15. What is the first actinide? **Actinium**

Many thanks to David Sherrill,  
professor in the Georgia Tech  
School of Chemistry and  
Biochemistry and member of the  
Georgia Local Section of the  
American Chemical Society, for  
preparing the activity sheet.

# » Georgia Tech Year of the Periodic Table 2019

**Periodic Table Trivia:** Test your knowledge of the periodic table and the chemical elements.

1. Who invented the periodic table? **Dmitri Mendeleev**
2. What is the most abundant element in air? **Nitrogen**
3. What is the most abundant element in the sun? **Hydrogen**
4. What elements make up hydrocarbons? **Hydrogen and carbon**
5. What elements make up carbohydrates? **Hydrogen, carbon, and oxygen**
6. What element makes up light bulb filaments? **Tungsten**
7. What is the only metal element that is a liquid at room temperature? **Mercury**
8. What metal's oxidation causes the Statue of Liberty to turn green? **Copper**
9. Which gaseous elements are lighter than the air? **Hydrogen, helium, neon**
10. Which two metal elements are not grey or silver? **Gold and copper**
11. What element was the first to be identified as a pure element? **Phosphorus**
12. What is the heaviest naturally occurring element? **Uranium**
13. What element has the highest density? **Osmium**
14. Name two elements that are named after planets. **cerium, uranium, neptunium, plutonium**
15. Name four elements that are named after people. **Bohrium, Curium, Einsteinium, Fermium, Hahnium, Lawrencium, Meitnerium, Mendeleevium, Nobelium, Oganesson, Roentgenium, Rutherfordium, Samarium, Seaborgium**
16. What two elements are named after U.S. states? **Californium, Tennessee**
17. Name three elements that take their atomic symbols from their Latin names. **Sodium, potassium, copper, iron, silver, tin, antimony, gold, lead**
18. What is the most abundant element in the human body by weight? **Oxygen**
19. Name the three most abundant elements in Earth's crust. **Silicon, oxygen, aluminum**
20. With only about 28 grams naturally occurring in Earth's crust, what is the least abundant naturally occurring element? **Astatine**
21. What was the first element to be created artificially? **Technetium**

Brought to you by

**Georgia Tech**  **College of Sciences**

