

**Groups, families, periods, and rows:  
Guided & Independent Practice**

Write the FULL element name AND symbol as the answer choices for questions 1-6 Example: Rubidium, Rb.

1. Which element is in group 2 row 3 \_\_\_\_\_
2. Which element is in group 3 row 2 in the periodic table? \_\_\_\_\_
3. Which element is in family 17 (7A) and row 4? \_\_\_\_\_
4. Which element is in family 18 (8A) and row 5? \_\_\_\_\_
5. Which element is in family 2 (2A) and period 5 \_\_\_\_\_
6. Which element is in family 6 (6B) and period 6 \_\_\_\_\_
7. I have an atomic number of 6 and atomic mass of 12.01. What group # and row # is the element in?  
Group # \_\_\_\_\_ and Row # \_\_\_\_\_
8. I have an atomic number of 31 and atomic mass of 69.72. What group # and row # is the element in?  
Group # \_\_\_\_\_ and Row # \_\_\_\_\_
9. What group and row does Chlorine (Cl) belong to?  
Group # \_\_\_\_\_ and Row # \_\_\_\_\_
10. What group and row does Xenon (Xe) belong to?  
Group # \_\_\_\_\_ and Row # \_\_\_\_\_
11. I have an atomic number of 14 and atomic mass of 28.09. What family and period is the element in?  
Family \_\_\_\_\_ and Period \_\_\_\_\_
12. I have an atomic number of 40 and atomic mass of 91.20. What family and period is the element in?  
Family \_\_\_\_\_ and Period \_\_\_\_\_
13. What family and period does Radon (Rn) belong to?  
Family \_\_\_\_\_ and Period \_\_\_\_\_
14. What family and period does Cesium (Cs) belong to?  
Family \_\_\_\_\_ and Period \_\_\_\_\_
15. Of the list provided below, circle 2 elements that you would expect to have a similar reactivity.  
POTASSIUM (K)      GERMANIUM (Ge)      ARGON (Ar)      ALUMINUM (Al)      RADON (Rn)
16. Using the periodic table, write the name AND symbol of another element that would most likely have a similar chemical behavior as oxygen (O) and sulfur (S). \_\_\_\_\_
17. Elements in the same \_\_\_\_\_ have similar physical and chemical properties. CIRCLE!  
a. Period      b. group c. family d. both b & c are correct
18. Which 2 elements below (circle them) would most likely have a similar physical appearance.  
Strontium (Sr)      Yttrium (Y)      Copper (Cu)      Phosphorus (P)      Gold (Au)
19. Five (5) unnamed elements are shown below with their chemical properties. ONLY two of them could belong in the same family. Which two elements belong in the same family? \_\_\_\_\_ & \_\_\_\_\_

Element	I	II	III	IV	V
Chemical Reactivity	Totally unreactive	Explosive in air	Reacts slowly with air	Reacts with Bi, but not with air	Catches fire easily in air

20. Titanium and zirconium have some similar physical and chemical properties. Using your periodic table, name another element that has properties similar to those two elements: \_\_\_\_\_.