

Periodic table scavenger hunt.

Feb ____, 2024

1. Find three elements you have heard of before, their atomic number and state where these elements are found (or where you have seen them before)

2. Find one element named after a country: _____

The atomic number of this element is _____

3. Find one element named after a person: _____

The atomic mass of this element is _____

4. What two things do all the alkali metals have in common (excluding hydrogen)

5. What two things do all the alkaline earth metals have in common?

6. What one thing do all the noble gases have in common (except element number 118)

7. Find the element that has the most ion charges _____

8. Find the element with the lowest atomic number that has its atomic mass in brackets. _____

9. Write the full name and atomic number for:

a) Fe _____

b) Li _____

c) He _____

d) Ne _____

e) K _____

f) Ni _____

10. Write the symbol and atomic mass for:

a) Carbon _____

b) Nitrogen _____

c) Calcium _____

d) Fluorine _____

e) Lead _____

f) Silver _____

11. We had looked at two elements of different densities: copper and aluminum. Find these on the periodic table.

Copper has an atomic number of _____ and an atomic mass of _____.

Aluminum has an atomic number of _____ and an atomic mass of _____.

a) Which of these two elements samples felt "heavier"? (it was more dense)

b) How do you think density may be related to location on the periodic table?

c) Which would be more dense.... Gold or silver?

	8	9			5	1	4	
3			8	1	7			6
7	1		6		4	3	8	
	4	3	9					
9	7						1	4
					8	7	3	
	9	6	4		2		7	1
4			1	5	9			2
	2	1	7			4	9	

9	8	3	4		7		2	
	6	1						4
				6				
5				8	3	9		6
1		6		4		2		8
8		9	7	1				3
				9				
6						1	8	
	5		1		2	3	6	9