

Physical Science Periodic Table Worksheet 1

1. What are the elements nitrogen N, phosphorous P, arsenic As, antimony Sb, and bismuth Bi called?

nitrogen group

2. What do you call a group of elements that are all in the same row as you move from left to right across the periodic table?

period

3. How many groups or families are there on the periodic table? 18

4. How many periods are there on the periodic table? 7

5. List the elements in period 2.

Be Mg Ca Sr Ba Ra

6. List the elements in group 11. Cu Ag Au

7. How many elements are there in period 1? 2

8. How many elements are there in period 2? 8

9. How many elements are there in period 4? 18

10. How many elements are there in period 6? 32

11. What is the maximum number of electrons for energy levels 1, 2, 3, 4?

1 = 2, 2 = 8, 3 = 18, 4 = 32

12. Name the elements that make up the metalloids.

B Si Ge As Sb Te Po (At)

13. Where are the metals located on the periodic table?

to the left of Group 13 and in a staircase below 13-16

14. Where are the nonmetals located on the periodic table?

to the right

15. Draw the atomic structure for Be and Mg.

${}^9_4\text{Be}$



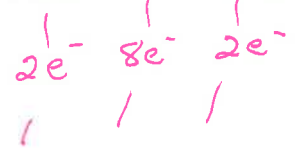
$1^{\text{st}}\text{EL}$   $2^{\text{nd}}\text{EL}$



${}^{24}_{12}\text{Mg}$

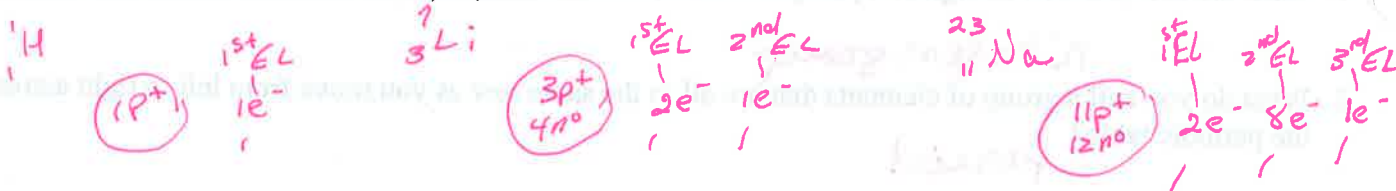


$1^{\text{st}}\text{EL}$   $2^{\text{nd}}\text{EL}$   $3^{\text{rd}}\text{EL}$



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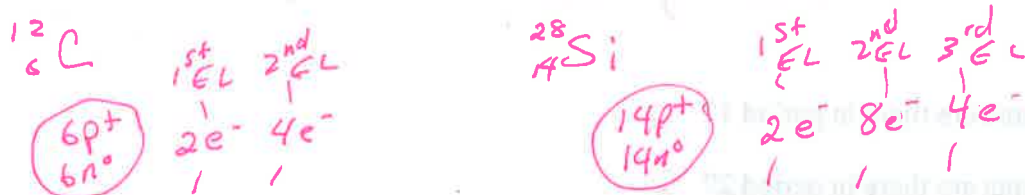
16. Draw the atomic structure for H, Li, and Na.



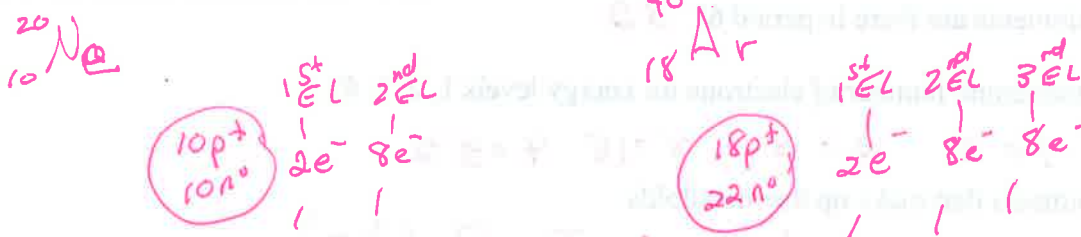
17. Draw the atomic structure for F and Cl.



18. Draw the atomic structure for C and Si.



19. Draw the atomic structure for Ne and Ar.



20. How can you find the number of energy levels for an atom using the periodic table?

EL = period number