SCIENCE

NAME: PERIOD: DATE:

Why Atoms Combine Classwork #1

Answer all questions as best you can. Be specific. Be scientific.

Tell what the following elements want to do: give electrons away (give), take electrons in (take), share electrons (share), or not react (Ex. At – take)

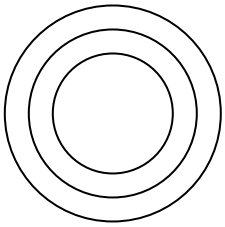
1. Cl -
2. Si -
3. Be –
4. Ar -
5. Ga -
6. Sb –

The following elements want to give, take, or share electrons. Tell which they want to do, and how many electrons they want to give, take, or share. (Ex. Ca – give 2)

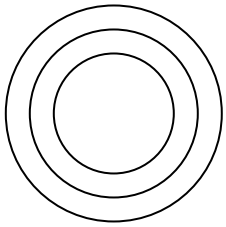
7. Cs -
8. P -
9. Sn –
10. Pb -
11. Br -
12. Mg –

Arrange the electrons in the levels in the atoms below.

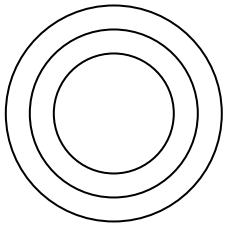
13. Argon



14. Carbon



15. Hydrogen



Now draw the dot diagrams for those elements.

16. Argon
17. Carbon
18. Hydrogen

Now draw the dot diagrams for these elements:

19. O
20. In
21. Sr
22. Na
23. As
24. At
25. He (tricky!)