Name:_____ Block:_____**Mix-Pair-Share**

1. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
   H

2. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
   Li

3. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
   Na

4. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
   K

5. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
   P^{3-}

6. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
   Mg

7. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
   Ca

8. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
   Sr^{2+}

9. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
   Ba

10. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
    C

11. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
    N^{3-}

12. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
    O^{2-}

13. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
    F

14. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
    Cl^{-}

15. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
    Br

16. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
S^{2-}

17. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
Ne

18. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
Ar

19. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
Li^{+}

20. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
Ca^{2+}

21. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
Fe^{3+}

22. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
Cu^{2+}

23. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
Ag

24. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
Al^{3+}

25. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
Co

26. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
K^{+}

27. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
I^{-}

28. Determine the name, metal or nonmetal, # of protons and # of electrons in the chemical species below.
He