

Chemistry 1020
Electron configurations worksheet

Write the full electron configurations for the following neutral atoms:

1. Ne

2. Co

3. P

4. C

5. Se

6. Ag

Write the full electron configuration for the following ions and indicate whether the ions are stable or unstable.

7. Be^+

8. Be^{2+}

9. O^{2+}

10. O^{2-}

11. Al^{3+}

12. Al^{3-}

13. K^+

14. K^-

Write the abbreviated electron configuration for the following atoms or ions. For the ions, indicate if it is a stable or unstable ion.

15. Ba

16. Ba²⁺

17. Os

18. Sb

19. Uut

20. I

21. I⁺

22. I⁻

23. Cd

24. Bi

25. Zr