

Atomic Theory Podcast 6.1: Electron Configurations Problem Set



Instructions: For each of the elements 1-10 listed below, complete the following:

a). long hand electron configuration; **b).** short hand electron configuration

For elements 1-4 in addition to **a.** and **b.** also complete the following:

c). orbital diagrams with arrows

1. Na

2. Al

3. Ar

4. Ni

5. Ca^{2+}

6. N^{3-}

7. Na^{1+}

8. Cr

9. Pr

10. Mt