




Activity 30: Electron Configuration— Electron Configuration to Element Name

Directions: Write the names of the element with the following electron configurations.

1. $1s^1$ _____
2. $1s^2 2s^2 2p^1$ _____
3. $1s^2 2s^2 2p^5$ _____
4. $1s^2 2s^2 2p^6 3s^1$ _____
5. $1s^2 2s^2 2p^6 3s^2 3p^3$ _____
6. $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^7$ _____
7. $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6$ _____
8. $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^2 4d^{10}$ _____
9. $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^2 4d^{10} 5p^6 6s^2 4f^{14} 5d^{10} 6p^2$ _____
10. $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^2 4d^{10} 5p^6 6s^2 4f^{14} 5d^{10} 6p^6 7s^2 5f^{11}$ _____



Name _____ Date _____



Activity 29: **Electron Configuration— Element to Electron Configuration**

Directions: Write the electron configurations for the following elements.

1. Li _____
2. Mg _____
3. O _____
4. Ar _____
5. Fe _____
6. Br _____
7. Hg _____
8. Si _____
9. U _____
10. K _____