

Electron Configuration worksheet

Write complete ground state electron configurations for the following.

1. Li _____
2. F _____
3. Ti _____
4. Zn _____
5. Mo _____
6. Br _____
7. #78 _____
8. Mn _____
9. Au _____
10. Os _____

11. Which element has the following e- configurations

- $1s^2 2s^2 2p^3$ _____
- $1s^2 2s^2 2p^6 3s^2 3p^4 4s^2$ _____
- $1s^2 2s^2 2p^6 3s^2 3p^4 4s^2 3d^{11} 4p^1$ _____
- $1s^2 2s^2 2p^6 3s^2 3p^4 4s^2 3d^{10} 4p^1 5s^2 4d^{10} 5p^4 6s^2 4f^7$ _____

12. What are the shapes of the following sublevels?

s _____ p _____ d _____ f _____

13. What is the maximum number of electrons held in the following sublevels?

s _____ p _____ d _____ f _____

14. How many orbitals are in the following sublevels?

s _____ p _____ d _____ f _____

Electron Configuration Section 5 Answer Key

Fredeen, Pearson



Electron Configuration Section 5 Answer Key:

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