

Name _____
Regents Chemistry

Electron configuration

Write the electron configuration for the following elements and ions

1. He
2. C
3. F
4. Ti
5. As
6. Mo
7. Br
8. Na
9. B
10. H

Ions

11. F^-
12. O^{2-}
13. N^{3-}
14. Na^+
15. Mg^{2+}

16. What do you notice about the electron configurations of these ions?

17. Are their orbitals completely filled or empty? Why do you think this happens?

18. What neutral atom does this electron configuration represent?