

Using the Periodic Table to Write Electron Configurations

Directions: Write out the number of electrons and the electron configuration.

Example: Phosphorus – 15 electrons – $1s^22s^22p^63s^23p^3$

- | | | |
|--------------|--------------|---------------|
| 1) Sulfur | 6) Aluminum | 11) Potassium |
| 2) Bromine | 7) Argon | 12) Calcium |
| 3) Neon | 8) Helium | 13) Iodine |
| 4) Lithium | 9) Fluorine | 14) Vanadium |
| 5) Strontium | 10) Nitrogen | 15) Krypton |

Using the Periodic Table to Write Electron Configurations

Directions: Write out the number of electrons and the electron configuration.

Example: Phosphorus – 15 electrons – $1s^22s^22p^63s^23p^3$

- | | | |
|--------------|--------------|---------------|
| 1) Sulfur | 6) Aluminum | 11) Potassium |
| 2) Bromine | 7) Argon | 12) Calcium |
| 3) Neon | 8) Helium | 13) Iodine |
| 4) Lithium | 9) Fluorine | 14) Vanadium |
| 5) Strontium | 10) Nitrogen | 15) Krypton |

Using the Periodic Table to Write Electron Configurations

Directions: Write out the number of electrons and the electron configuration.

Example: Phosphorus – 15 electrons – $1s^22s^22p^63s^23p^3$

- | | | |
|--------------|--------------|---------------|
| 1) Sulfur | 6) Aluminum | 11) Potassium |
| 2) Bromine | 7) Argon | 12) Calcium |
| 3) Neon | 8) Helium | 13) Iodine |
| 4) Lithium | 9) Fluorine | 14) Vanadium |
| 5) Strontium | 10) Nitrogen | 15) Krypton |

Using the Periodic Table to Write Electron Configurations

Directions: Write out the number of electrons and the electron configuration.

Example: Phosphorus – 15 electrons – $1s^22s^22p^63s^23p^3$

- | | | |
|--------------|--------------|---------------|
| 1) Sulfur | 6) Aluminum | 11) Potassium |
| 2) Bromine | 7) Argon | 12) Calcium |
| 3) Neon | 8) Helium | 13) Iodine |
| 4) Lithium | 9) Fluorine | 14) Vanadium |
| 5) Strontium | 10) Nitrogen | 15) Krypton |