

# Electron Configurations And Orbital Notations

Name \_\_\_\_\_

Date \_\_\_\_\_ Per \_\_\_\_\_

**Orbital Notation**—While electron configurations provide some information about the location of electrons in an atom, orbital notations provide all four quantum numbers and thus, the “complete address” of electrons. Energy levels, sublevels, # of orbitals, and spin of electrons are all provided and shown with orbital notations.

## PART A – ELECTRON CONFIGURATIONS AND ORBITAL NOTATIONS

Use the patterns within the periodic table to write the orbital notation for the following atoms.

	Symbol	# e <sup>-</sup>	Electron configuration Orbital Notation # of unpaired / unshared electrons
1.	Mg	12	$1s^2 2s^2 2p^6 3s^2$ $\begin{array}{cccccc} \uparrow\downarrow & \uparrow\downarrow & \uparrow\downarrow & \uparrow\downarrow & \uparrow\downarrow & \uparrow\downarrow \\ 1s & 2s & & 2p & & 3s \end{array}$ No unshared electrons
2.	Ar		
3.	V		
4.	Ge		
5.	He		
6.	N		

# Electron Configuration Elements Atoms And Ions Worksheet Answers

**Coventry House Publishing**



## **Electron Configuration Elements Atoms And Ions Worksheet Answers:**

## Decoding **Electron Configuration Elements Atoms And Ions Worksheet Answers**: Revealing the Captivating Potential of Verbal Expression

In a period characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its power to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Electron Configuration Elements Atoms And Ions Worksheet Answers**," a mesmerizing literary creation penned with a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring effect on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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