

## Model 2 – Ground State Orbital Diagrams and Electron Configurations



Hydrogen  
 $1s^1$



Carbon  
 $1s^2 2s^2 2p^2$



Oxygen  
 $1s^2 2s^2 2p^4$



Sodium  
 $1s^2 2s^2 2p^6 3s^1$



Aluminium  
 $1s^2 2s^2 2p^6 3s^2 3p^1$



Phosphorus  
 $1s^2 2s^2 2p^6 3s^2 3p^3$

6. Examine the orbital diagrams and electron configurations in Model 2. Match each symbol below with its meaning.

\_\_\_ a. 


I. Single electron

\_\_\_ b. 

II. Pair of electrons with opposite spins

\_\_\_ c. 

III. Atomic orbital (region of space where an electron is likely to be found)

\_\_\_ d. 

IV. Sublevel (set of orbitals having equivalent energy)

\_\_\_ e.  $1s^2 2s^2 2p^4$

V. Electron configuration

# Pogil Activities Chemistry Electron Configuration Answers

**M Mark**



## **Pogil Activities Chemistry Electron Configuration Answers:**

## **Pogil Activities Chemistry Electron Configuration Answers** Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Pogil Activities Chemistry Electron Configuration Answers**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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