

U3 - Quest 2 b - Electron Configurations & Bohr Models			
4	3	2	1
15-16 pts	13-14	10-12	9 pts or less

1. What is the full electron configuration for Indium (In, atomic number = 49)?
2. Draw a Bohr model of an Indium-115 ( $^{115}\text{In}$ ) atom at ground state. Indicate the number of the protons, neutrons, total electrons, and the number of electrons located in each energy level. Label the nucleus, and energy levels ( $n = 1, n = 2$ , etc.).

#p+ \_\_\_\_\_

#n+ \_\_\_\_\_

#e- \_\_\_\_\_  
(total) $n = 1$  \_\_\_\_\_ e- $n = 2$  \_\_\_\_\_ e- $n = 3$  \_\_\_\_\_ e- $n = 4$  \_\_\_\_\_ e- $n = 5$  \_\_\_\_\_ e-

3. Write the condensed (noble gas) configurations for each of the following elements. Then determine the number of valence (outermost) electrons in each element.

Element	Atomic Number	Condensed Electron Configuration	Number of Valence Electrons
Sulfur, S	16		
Scandium, Sc	21		
Cesium, Cs	55		

4. How many valence electrons are in each of the following elements:

Bi (83) \_\_\_\_\_

Ca (20) \_\_\_\_\_

Kr (36) \_\_\_\_\_

As (33) \_\_\_\_\_

# Modeling Chemistry U3 Obj V2 0 Answers

**Léo Pomar**



## **Modeling Chemistry U3 Obj V2 0 Answers:**

## Unveiling the Magic of Words: A Review of "**Modeling Chemistry U3 Obj V2 0 Answers**"

In a world defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their power to kindle emotions, provoke contemplation, and ignite transformative change is actually awe-inspiring. Enter the realm of "**Modeling Chemistry U3 Obj V2 0 Answers**," a mesmerizing literary masterpiece penned with a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve to the book is central themes, examine its distinctive writing style, and assess its profound affect the souls of its readers.

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