

Name: \_\_\_\_\_

Period: \_\_\_\_\_

# Atomic Structure



Atomic Number

Element Symbol

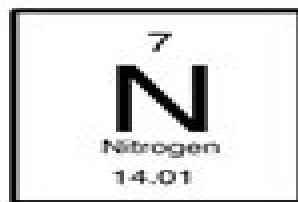
Element Name

Atomic Mass

The atomic number represents these two parts of the atom:  
number of protons & number of electrons

You can calculate the number of neutrons by subtracting

Atomic Mass minus Atomic Number



Protons:

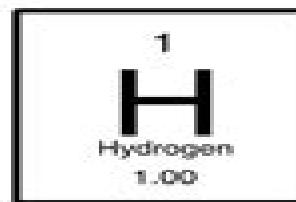
**7**

Electrons:

**7**

Neutrons:

**7**



Protons:

**1**

Electrons:

**1**

Neutrons:

**0**



Protons:

**8**

Electrons:

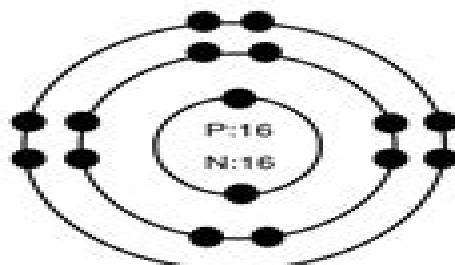
**8**

Neutrons:

**8**

## BOHR DIAGRAMS

- Draw a circle in the center representing the nucleus.
- Label the number of protons and neutrons.
- Draw the electrons in their energy levels.
  1. The first energy level can hold 2 electrons
  2. The second energy level can hold 8 electrons
  3. The third energy level can hold 8 electrons



Element: **Sulfur**

Number of Valence Electrons: **6**

The electrons in the outermost energy level are called:

**Valence Electrons**

## LEWIS DIAGRAMS

A Lewis diagram shows only the symbol with the Valence electrons



# Atomic Structure Answers Key

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## Atomic Structure Answers Key:

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In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is actually astonishing. Within the pages of "**Atomic Structure Answers Key**," an enthralling opus penned by a highly acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve into the book's central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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