

Name: _____

Period: _____

Atomic Structure



Atomic Number

Element Symbol

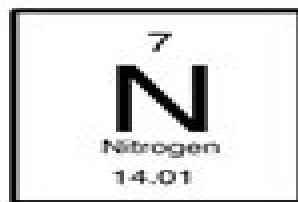
Element Name

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:

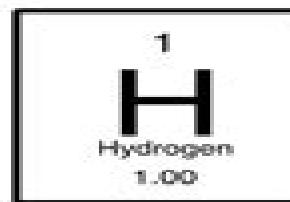
7

Electrons:

7

Neutrons:

7



Protons:

1

Electrons:

1

Neutrons:

0



Protons:

8

Electrons:

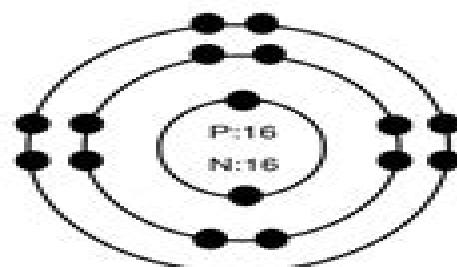
8

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

D Siedentop

Atomic Structure Answers Key:

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