

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



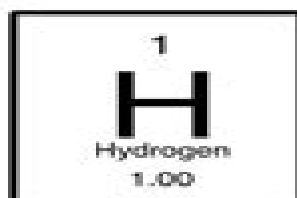
Protons:

7

Electrons:

7

Neutrons:

7

Protons:

1

Electrons:

1

Neutrons:

0

Protons:

8

Electrons:

8

Neutrons:

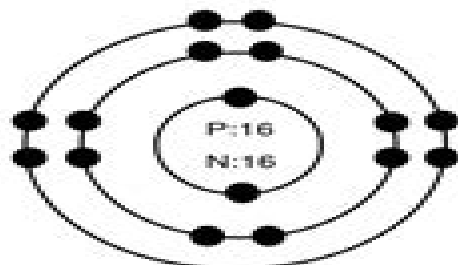
8

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

The electrons in the outermost energy level are called:

Valence Electrons

Element: SulfurNumber of Valence Electrons: 6

LEWIS DIAGRAMS

A lewis diagram shows only the symbol with the Valence electrons



Atomic Structure Answers Key

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A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the Arco Publishing Company text.

Atomic Structure Answers Key:

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