

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



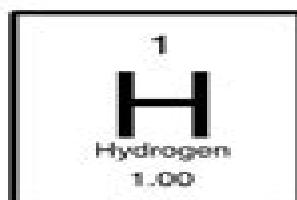
Protons:

7

Electrons:

7

Neutrons:

7

Protons:

1

Electrons:

1

Neutrons:

0

Protons:

8

Electrons:

8

Neutrons:

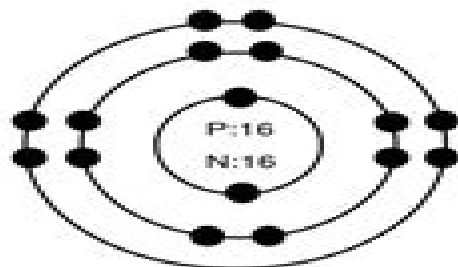
8

## 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

**D Siedentop**



## Atomic Structure Answers Key:

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