

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:

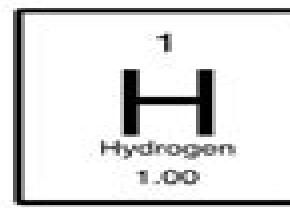
7

Electrons:

7

Neutrons:

7



Protons:

1

Electrons:

1

Neutrons:

0



Protons:

8

Electrons:

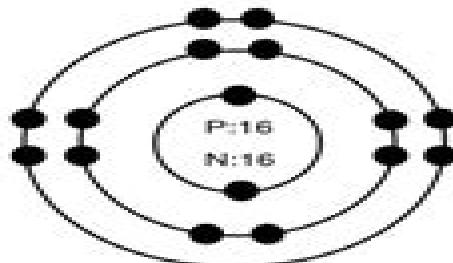
8

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: SulfurNumber 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 Worksheet Key Matching

Stanley V. Kasperek

Atomic Structure Worksheet Key Matching:

1500+ MCQs with Explanatory Notes For GENERAL SCIENCE Disha Experts,2018-03-31 The book 1500 MCQs with Explanatory Notes For GENERAL SCIENCE has been divided into 6 chapters which have been further divided into 29 Topics containing 1500 Multiple Choice Questions for Quick Revision and Practice The Unique Selling Proposition of the book is the explanation to each and every question which provides additional info to the students on the subject of the questions and correct reasoning wherever required The questions have been selected on the basis of the various types of questions being asked in the various exams [JEE Advanced Chemistry - Unit wise Practice Test Papers](#) Career Point Kota,2020-07-20

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Computer Graphics and Chemical Structures Stanley V. Kasperek,1990-01-29 Describes computer systems for storage and retrieval of chemical structures and the numeric and textual data associated with them The first section covers the CAS ONLINE Registry File including the system's historical background design development and operation and its techniques for building graphic and generic structures searching techniques and options for displaying retrieved records Included are numerous examples for creating structures in addition to real computer sessions for search and retrieval Parts 2 3 and 4 describe in detail the Molecular Design Limited Systems CHEMBASE MACCS II REACCS and CHEMTALK which have become standard for chemical information systems in industry and academia

2024-25 IAS/UPSC General Studies

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Readings in Knowledge Representation Ronald J. Brachman,Hector J. Levesque,1985

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