

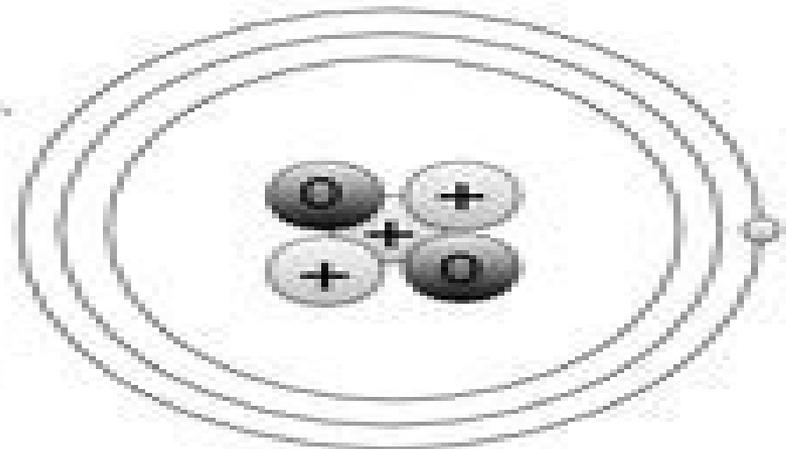
Structure of an Atom Guided Notes

Atoms are the building blocks of **matter**. They are the smallest particle into which an **element** can be **divided** and still retain its identity. An **element** is matter that is made up of only one type of atom.

Atoms have substructure of their own. They have a **nucleus**, which contains **protons** and **neutrons**. Protons have a **positive charge** and a mass of **1** amu (atomic mass unit). Neutrons have **no charge** and are

also measured at 1 amu. The number of protons in the atomic nucleus, which is the **atomic number**, is the defining characteristic of each element.

Electrons, which have a **negative charge** and a mass of almost zero, are located in an area surrounding the nucleus called the **electron cloud**. The way electrons react between charged particles explains the way atoms form **molecules**.



WORD BANK

Matter atomic number electrons molecules no charge positive charge
divided element nucleus protons electron cloud neutrons element

Guided Notes The Atom

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Guided Notes The Atom:

Adopting the Tune of Appearance: An Emotional Symphony within **Guided Notes The Atom**

In a world consumed by monitors and the ceaseless chatter of instant communication, the melodic beauty and emotional symphony created by the prepared word often disappear into the background, eclipsed by the persistent sound and disruptions that permeate our lives. However, situated within the pages of **Guided Notes The Atom** a stunning fictional treasure filled with raw thoughts, lies an immersive symphony waiting to be embraced. Crafted by a masterful composer of language, that fascinating masterpiece conducts visitors on a psychological journey, skillfully unraveling the hidden songs and profound impact resonating within each cautiously crafted phrase. Within the depths with this moving assessment, we will discover the book is main harmonies, analyze their enthralling publishing style, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

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