

Introduction to Atoms

Check for Understanding

What three particles are found in an atom?

Which two particles are found in an atom's nucleus?

Explain why scientists use models to study atoms?

Which two particles in an atom are equal in number?

What two particles account for almost all the mass of an atom?

Important Vocabulary

The _____ is the very small, dense center of an atom.

The positively charged particle of an atom is called a(n) _____.

A particle with no charge is a(n) _____.

A(n) _____ is the particle of an atom that moves rapidly in the cloudlike region around the nucleus.

The _____ tells the number of protons in the nucleus of every atom of an element.

Atoms of the same element that have the same number of protons but differ in the number of neutrons are called _____.

The sum of the protons and neutrons in the nucleus of an atom is the _____.