

## Atoms Study Guide Questions and Answers

1. What is an atom?
  - ▶ An atom is the **basic building block of matter**.
2. What is the size of an atom?
  - ▶ Atoms are **EXTREMELY small**. One atom is only one **ten-billionth** of a meter wide!
3. What three subatomic particles make up an atom?
  - ▶ There are three subatomic particles:
    - ▶ Proton ( $p^+$ )
    - ▶ Neutron ( $n^0$ )
    - ▶ Electron ( $e^-$ )

4. Where are protons, electrons, and neutrons located in an atom?
  - ▶ **Subatomic** particles are the particles found **within an atom**.
5. What is the mass of protons, electrons, and neutrons?
  - ▶ A **PROTON AND NEUTRON** has a mass of **1 atomic mass unit (amu)**.
  - ▶ an **ELECTON** is SO small, it is insignificant.
6. Where is most of the mass found in an atom?
  - ▶ in the **nucleus** of an atom

# Atoms Study Guide Answers

**George Graybill**

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the author's name.

## Atoms Study Guide Answers:

**Organic Chemistry, 5e Student Study Guide and Solutions Manual** David R. Klein, Laurie S. Starkey, 2025-03-18

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**Atoms, Molecules & Elements: What Are Molecules? Gr. 5-8** George Graybill, 2015-10-01 This is the chapter slice What Are Molecules from the full lesson plan Atoms Molecules Elements Young scientists will be thrilled to explore the invisible world of atoms molecules and elements Our resource provides ready to use information and activities for remedial students using simplified language and vocabulary Students will label each part of the atom learn what compounds are and explore the patterns in the periodic table of elements to find calcium Ca chlorine Cl and helium He through hands on activities These and more science concepts are presented in a way that makes them more

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