

Chemistry: Quiz 1 (Chapters 1-3)

1. What is chemistry the study of?
2. What is the smallest functional unit of matter?
3. What are the three parts of an atom?
4. Identify the **location**, **mass**, and **charge** of each subatomic particle (proton, neutron, electron).
5. What is the difference between an element and a compound?

Chemistry: Quiz 1 ANSWER KEY

1. What is chemistry the study of?

Matter

2. What is the smallest functional unit of matter?

Atom

3. What are the three parts of an atom?

Proton, Neutron, Electron

4. Identify the **location**, **mass**, and **charge** of each subatomic particle (proton, neutron, electron).

Proton: in nucleus, mass= 1, charge= +1

Neutron: in nucleus, mass= 1, charge= 0

Electron: outside nucleus, mass= 0, charge= -1

5. What is the difference between an element and a compound?

An element is one type of atom, a compound has more than one type of atom bound together.