2.1 Subatomic Particles Notes (E)

**Recap of Experiments & Discoveries**

Dalton’s Atomic Theory (found on page \_\_\_\_\_\_\_)

True or False?

1.

2.

3.

4.

5.

Describe Experiment What was Discovered

Thomson’s

Cathode-ray

Tube Experiment

Rutherford’s

Gold-Foil

Experiment

**Subatomic Particles**

|  |  |  |  |
| --- | --- | --- | --- |
| Properties | Proton | Electron | Neutron |
| Charge |  |  |  |
| Mass |  |  |  |
| Volume |  |  |  |
| Density |  |  |  |
| Location in the Atom |  |  |  |

Definitions

Atomic Mass --

Atomic Number --

How to count subatomic particles

Protons --

Neutrons --

Electrons --

Examples & Practice

Carbon-12 Atomic Mass: Atomic #: Protons: Electrons: Neutrons:

Carbon-14 Atomic Mass: Atomic #: Protons: Electrons: Neutrons:

Hydrogen-2 Atomic Mass: Atomic #: Protons: Electrons: Neutrons:

Chlorine-34 Atomic Mass: Atomic #: Protons: Electrons: Neutrons: