

Notes **MATTER 2-1** DelG

Elements (pg 62)

An element is a _____ substance that cannot be broken down by _____ or _____ properties.

They are the simplest _____

Each element can be identified by its own chemical and physical _____.

Elements are represented by ____ or ____ letters symbols

Examples of elements are :

Na- _____, C- _____, O- _____

Atoms (pg 63)

The basic particle the all elements are made of is an _____

All matter is made of _____

Different elements have different _____ because their _____ are different.

The atom is made of two parts – look at figure 5 – the two parts are the _____ and the _____

Can Atoms Combine?

Yes, when they do they form a chemical bond.

A **chemical bond** is a force of _____ between two atoms.

Sometimes, atoms make large particles called **molecules**

A **molecule** is a group of ____ or ____ atoms bonded.

Look at figure 6 – copy the model for water and carbon dioxide

*****ELEMENTS** - are found on the Periodic Table – there are 113 known elements.
- are pure substances (made up of the same Atom)
- 92 occur naturally
- most elements are combined in nature.