

Ch-4
Ex-1

①	Compound	Element
	sugar	Mercury
	water	gold
	sand	oxygen
	carbon	carbon
	alcohol	iron
	marble	
	baking soda	

- ②
- (i) Carbon - C
 - (ii) Calcium - Ca
 - (iii) Copper - Cu
 - (iv) Chlorine - Cl
 - (v) Cobalt - Co
 - (vi) Argon - Ar

③ A substance of a definite composition which has consistent properties throughout, then is called a pure substance. There ~~were~~ ~~were~~ are two types of pure substance is are elements and compound. ~~or~~ Example of ~~elements~~ elements is oxygen and compound is water.

④(a) Elements - There are million in the world everything is made up of a limited number of basic substances. These are call basic substances are called elements
Compounds - ~~as~~ They are pure substances formed by the chemical combination of two or

more elements in a definite proportion by mass.

5) Metals example are ~~gold, silver, copper, iron~~
gold and silver.

6) Non-metals Metalloids example are silicon
and boron.

7) Non-metal example are sulphur and chlorine.

8) Metalloids example are silicon and boron.

9) Noble gases example are neon and argon.

10) H_2 Hydrogen and He helium oxygen are
the elements ^{from} ~~from~~ which water form.

* It consists of two or more elements.

* The constituting elements of a compound water are combined in a definite proportion in every sample of water.

** It is a pure and homogeneous

(+) * Metal

Non metal

* (+) Metals are usually shiny.

* Non metal are not usually shiny.

* They can be drawn or stretched into thin wires.

* They cannot be drawn or stretched into wires.

* They are good conductors of heat and electricity.

* Non metal They are bad conductors of heat and electricity.

(+) * It consists of two or more elements.

* The constituting elements of a compound are combined in a definite proportion in every sample of compound.

* It is pure and homogeneous.

* The physical and chemical properties of a compound differ from those of its constituent elements.

⑨ Sodium is a metal that reacts very fast with water and air.

~~Go to~~ Chlorine is a reactive greenish yellow gas which is ~~pois~~ poisonous.

But Sodium Chloride is a non-poisonous white solid substance that we use in our daily food for taste and nutrition.



- (I) (a) ~~are~~ Coal and graphite
- (b) Sodium and ~~the~~ potassium
- (c) diamond and iodine
- (d) Mercury and ~~the~~ bromine
- (e) ~~are~~ Neon and argon
- (II) (a) Sugar - Element present are carbon, hydrogen and oxygen.
- (b) Ammonia - Element present are nitrogen and hydrogen
- (c) Marble Element present are calcium, carbon and oxygen
- (d) Washing Soda - Element present are sodium, hydrogen, carbon and oxygen.

⑫ Proportion of element by mass

