

## Worksheet

### Elements

- \* Pure substances which are composed of one type of atoms
- \* There are 118 types of elements
- \* They are composed of atoms
- \* They show same properties as that of constituent particle.
- \* These can be represented by symbols
- \* Eg- Copper (Cu), Iron (Fe), Mercury (Hg), Potassium (K), Lithium (Li)

### Compounds

- \* When two or more elements chemically combine with a definite ratio, it is said to be compounds
- \* There are <sup>an</sup> endless <sup>types of</sup> compounds that are present on earth
- \* They are composed of molecules
- \* The properties of compounds are totally different from its constituents
- \* Compounds can be represented by chemical formula.
- \* Eg-  $H_2O$  (Water),  $H_2SO_4$  (sulphuric acid),  $Cr_2O_7$  (Dichromate),  $Na_2CO_3$  (soda ash),  $CaSO_4 \cdot 2H_2O$  (Gypsum)

②  $H_2O$  (water) is a compound because it is composed of different types of elements and  $H_2$  and  $O_2$  are elements because they are composed of same type of elements atoms