

## Microorganisms: Friend and Foe

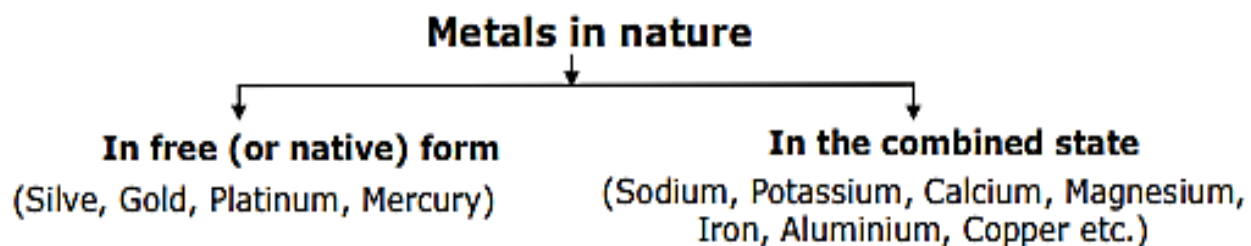
### Metal & Non-Metal

Lavoiser classified all elements into metals, nonmetals and metalloids on the basis of their properties. Some commonly used metals, nonmetals and metalloids are given below.

- (i) **Metals** : Iron, Copper, Gold, Silver, Aluminums, Zinc, Lead are some commonly used metals.
- (ii) **Nonmetals** : Hydrogen, Oxygen, Nitrogen, Carbon, Sulphur, Phosphorus, Chlorine, Bromine, Iodine are commonly used nonmetals.
- (iii) **Metalloids** : Boron, Silicon, Arsenic and Germanium are some metalloids.

#### Occurrence of Metals

Metals occur in nature in the free as well as in the combined states.



- (i) All metals which are not affected by water and by the gases present in the air occur in free state in nature.
- (ii) The naturally-occurring compounds of metals mixed with earthly materials are called minerals.
- (iii) A mineral from which a metal can be extracted on the commercial scale, economically and easily, is called an ore.