

## Chapter 11

# Principles of Metallurgy

- In our periodic table, more than 75% of the elements are metals. Main source of these metals is earth crust.
- Some of the metals are available in earth crust and some are available in dissolved form in seawater.
- The metals, which are available in the earth crust are mixed with earthly impurities may be in.
- The various procedures, which we use during extraction of a metal from earth crust is called metallurgy.

### Mineral:

The compound of an element, which is available in the earth crust.

### Ore:

Out of many minerals available in the earth crust from we can extract given metal without economical loss and easily is known as ore.

- All ores are minerals but all minerals are not ores.

**Ex.** Aluminium possess minerals such as corundum, diaspore, bauxite etc. Aluminium can be extracted from bauxite profitably. So, bauxite can be called as ore.

