

# WORLD OF CHEMISTRY

## Chapter 14

### LIQUIDS AND SOLIDS

#### Objectives:

- \* To learn about dipole-dipole interactions, hydrogen bonding, and London dispersion forces
- \* To understand the effect of these forces on the properties of liquids
- \* To learn some of the important features of water
- \* To Learn about interactions among water molecules
- \* To understand and use heat of fusion and heat of vaporization
- \* To understand the relationship among vaporization, condensation, and vapor pressure
- \* To relate the boiling point of water to its vapor pressure
- \* To learn about the various types of crystalline solids
- \* To understand the interparticle forces in crystalline solids
- \* To learn about how the bonding in metals determines metallic properties