

# WORLD OF CHEMISTRY

## Chapter 6

### CHEMICAL COMPOSITION

#### Objectives:

- \* To understand the idea of average mass
- \* To understand atomic mass and its determination
- \* To understand the Mole concept and Avagadro's number
- \* To learn to convert among moles, mass, and number of atoms in any sample
- \* To learn about molar mass
- \* To learn to convert between moles and mass
- \* To learn to find mass percent
- \* To understand the meaning of empirical formulas
- \* To learn to determine empirical formulas
- \* To learn to determine the molecular formula of a compound, given its empirical formula and molar mass