## Absorption in the Large Intestine

- Absorb water
- Synthesize some B vitamins and vitamin K
- Collect food residue
- Undigested food is excreted as feces by way of rectum
- In healthy people, 99% of CHO, 95% of fat, and 92% of proteins are absorbed

## Metabolism

- After digestion and absorption nutrients carried by blood to the cells
- Within cells nutrients changed into energy through the process of metabolism
  - Aeorbic metabolism
  - Anaerobic metabolism



## Basal Metabolic Rate

- Energy necessary to carry on all involuntary vital processes while the body is at rest
  - Respiration
  - Circulation
  - Regulation of body temperature
  - Cell activity and maintenance
- Known as BMR
  - Also referred to as resting energy expenditure (REE)

## Basal Metabolic Rate

- Affected by
  - Lean body mass
  - Body size
  - Sex
  - Age
  - Heredity
  - Physical condition
  - climate