Lymphatic System

- Maintain fluid balance
- Immunity
Lymphatic flow

- Respiratory pump
- Muscular pump
Thyroïde

Trachée

Artère carotide commune

Vena cava supérieure

Veines brachio-céphaliques

Thymus

Pericarde pariétal

Poumon droit

Poumon gauche

Diaphragme

Thymus de l'adolescent

Figure 21-5a  Anatomy and Physiology: From Science to Life
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**Digestive system**

- **Function?**
Four Processes necessary to obtain energy from Food

1. INGESTION
2. DIGESTION
3. ABSORPTION
4. ELIMINATION
The Stomach Is an Acidic Environment

- Bottom of esophagus
- Sphincter seals off stomach from esophagus
- Sphincter seals off stomach from small intestine
- Lumen (interior)
- Layers of muscle
- Beginning of small intestine
Glycogen

important energy storage molecule

• Most is stored in skeletal muscles and the liver.

• During exercise, glycogen is broken down into glucose.
Accessory organs

• Pancreas — protein digesting enzymes

• Liver – Bile – digestion of fats

• Gall Bladder – stores secretions from liver