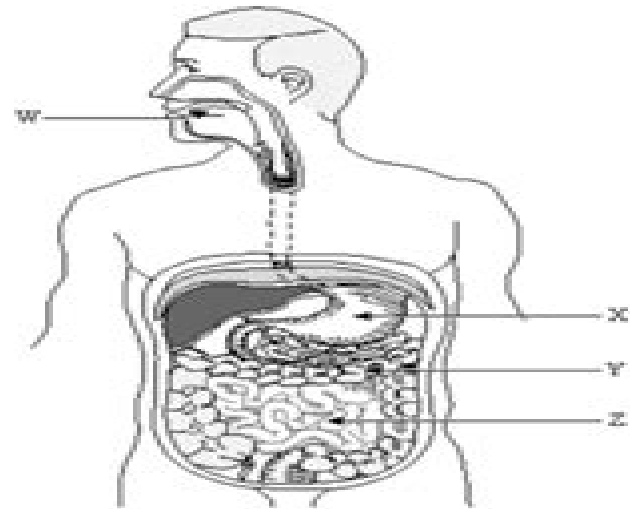


## Biology 12 - The Digestive System - Chapter Notes

### **I**n a nutshell...

- The body uses a variety of **small molecules** (amino acids, fatty acids, glucose) for its metabolic needs. Food is mechanically and chemically broken down into these molecules during **digestion**, after which they can be taken up by body cells through the separate process of **absorption**.
- Food travels in a **one-way path** from mouth to esophagus to stomach to small intestine to large intestine to anus.
- Organs and structures in the digestive system are **specialized** for specific functions in digestion.
- **Digestive enzymes** are specific hydrolytic enzymes that have a preferred temperature and pH.
- Proper **nutrition** is necessary to health.
- **DIGESTION**: the **mechanical** and **chemical** breaking down of ingested food into particles, then into **molecules small enough** to move through epithelial cells and into the internal environment.
- **ABSORPTION**: the passage of *digested nutrients* from the gut lumen into the blood or lymph, which distributes them through the body.



# Raycroft Biology 12 Digestive System Study Guide

**E Staff**



## Raycroft Biology 12 Digestive System Study Guide:

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