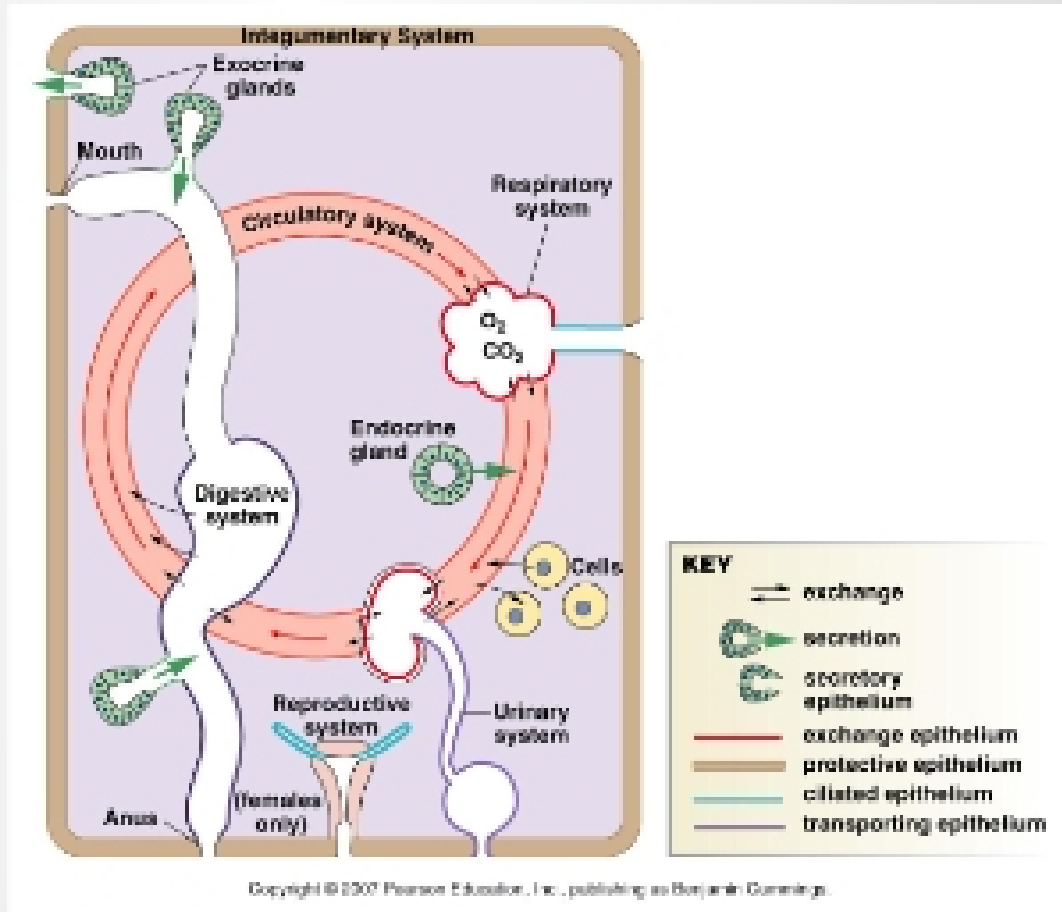


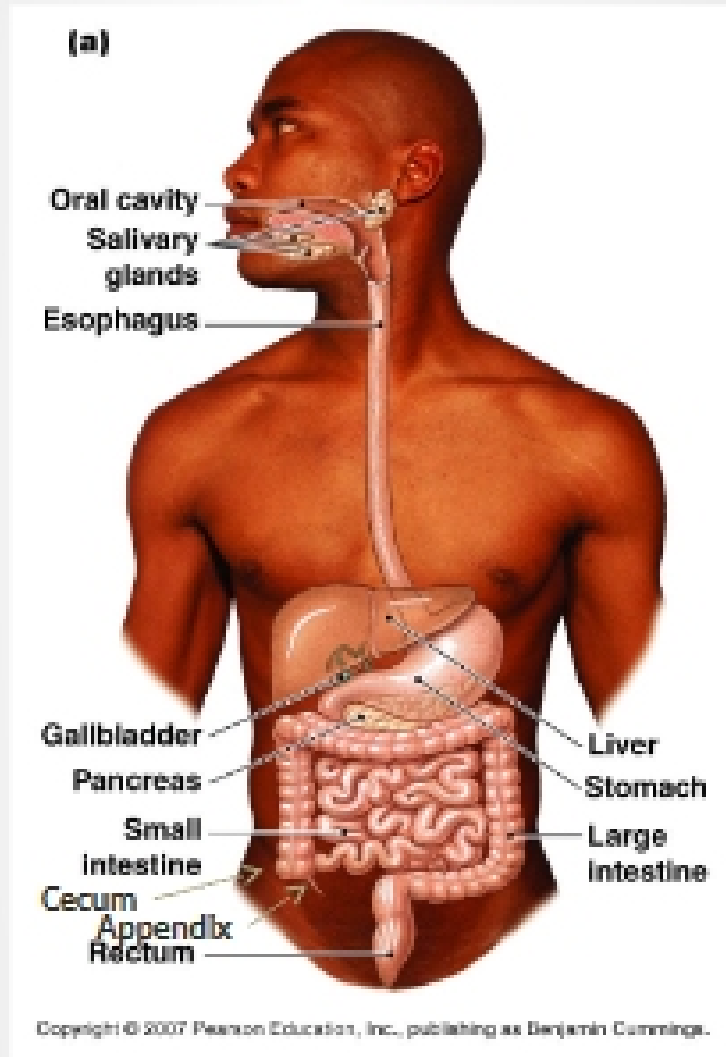
# Gastrointestinal Physiology

- Dr. Hudson
- 121 Farber Hall
- [rlhudson@buffalo.edu](mailto:rlhudson@buffalo.edu)
- Office Hours and Location
  - The hour immediately following lecture in Diefendorf 147
  - By appointment: use email <rlhudson@buffalo.edu> and put PGY 451 in the subject line
- Required Reading
  - Berne & Levy Physiology, 6<sup>th</sup> Edition
  - Chapters 26, 27, 28, 29, 30, 31

# The GI tract is a hollow tube that brings the outside world inside!



# OVERVIEW



Primary Function of the gastrointestinal (GI) system is to digest food and absorb nutrients, electrolytes (salts), and water into the body's internal environment.

Digestion is the process of breaking down ingested food into the basic components that can be absorbed. Absorption is the movement of these components, along with electrolytes and water, across the GI epithelium into the blood or lymph.

The GI system includes not only the GI tract, but also accessory organs (salivary glands, liver, gallbladder, and the exocrine pancreas). In addition are the enteric microorganisms/bacteria