

Bio I

Notes: Human Physiology II (Digestive, Endocrine, Nervous, and Lymphatic)

Digestive System (pg.947)

- Function of the digestive system

- Steps in digestion

1.

2.

3.

4.

5.

Endocrine System (pg. 959)

- Function of the endocrine system
- What is a hormone?
- Glands of the Endocrine System

Gland	Function
Adrenal Gland	Secrete hormones that influence the body's metabolism, blood chemicals, and body characteristics, as well as influence the part of the nervous system that is involved in the response and defense against stress.
Hypothalamus	Controls the part of the nervous system that controls involuntary body functions, and many bodily functions such as regulating sleep and stimulating appetite.
Ovaries and Testicles	Secrete hormones that influence male and female characteristics.
Pancreas	Secretes a hormone (insulin) that controls the use of glucose by the body.
Parathyroid Glands	Secretes a hormone that maintains the calcium level in the blood.
Pineal Body	Involved with daily biological cycles.
Pituitary Gland	Produces a number of different hormones that influence various other endocrine glands.
Thymus Gland	Plays a role in the body's immune system

Thyroid Gland	Produces hormones that stimulate body heat production, bone growth, and the body's metabolism

Nervous System (pg. 973)

- Function of the nervous system

- Neuron:

- Three basic regions of a neuron

1.

2.

3.

- Three categories of neurons

1.

2.

3.

- How these neurons work together – pg. 974

Lymphatic System (pg. 1055)

- Function of the lymphatic system
- How does the body fight off pathogens (foreign substances)?