

Bio I

Notes: Human Physiology (Skeletal, Muscular, Integument, Respiratory, Circulatory, and Excretory Systems)

Skeletal System

- Five functions of the skeletal system

1.

2.

3.

4.

5.

- Two main parts of a skeleton

1.

2.

- Two bone components

- 1.

- 2.

- What is the difference between joints, tendons and ligaments?

Integumentary System

- Four functions of the skin

- 1.

- 2.

- 3.

- 4.

- Four types of body tissue that make up skin

- 1.

- 2.

3.

4.

- Two main layers of skin (terms: keratin, melanin)

1.

2.

Muscular System

- Function of the muscular system
- Structure of a muscle (terms: myofibrils, actin, myosin, sarcomere)
- Three types of muscle in the body

1.

2.

3.

Respiratory System

- Function of the respiratory system
- How does this system work?

- Contraction of muscles and diaphragm (pg. 1005)

Circulatory System

- Function of the circulatory system

- Components of blood

- 1.

- 2.

- 3.

- Three main types of blood vessels

- 1.

- 2.

- 3.

- How does blood flow through body?

- 1.

- 2.

3.

4.

5.

6.

7.

8.

9.

Excretory System

- Function of the excretory system
- How does this system function?

