

Zoo 332 (General Physiology)

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Program of Zoo 332

General introduction	مقدمة عامة	Unit 1
Digestive system	الجهاز الهضمي	Unit 2
Nervous system	الجهاز العصبي	Unit 3
Midterm exam 1		
Blood and Circulatory system	الجهاز الدوري والدم	Unit 4
Respiratory system	الجهاز التنفسي	Unit 5
Midterm exam 2		
Excretory system	الجهاز الإخراجي	Unit 6
Reproductive system (Male and Female)	الجهاز التناسلي (الذكري والأنثوي)	Unit 7

General Information

- * Midterm exam 1: 15 marks
- * Midterm exam 2: 15 marks
- * Practice exam: 30 marks
- * Final exam: 40
- * Total: ... /100

How do Humans and other complex mammals maintain homeostasis? They must carry out all needed life functions in a coordinated way.

What does our species need to accomplish?

Growth

Repair of injuries

Get energy

Get building materials

Get rid of waste

Keep away disease

Respond to changing environment

Reproduce

Levels of Organization

Remember, the human body is organized in several levels, from the simplest to the most complex. . .

Molecule:

Cells - the basic unit of life

Tissues - clusters of cells performing a similar function

Organs - made of tissues that perform one specific function

Organ Systems - groups of organs that perform a specific purpose in the human body

***The purpose of the 11 organ systems is for the human body to maintain **homeostasis**.

Eleven Body Systems work together to maintain homeostasis and carry out these tasks:

- 1. Nervous System**
- 2. Endocrine System**
- 3. Lymphatic System**
- 4. Circulatory System**
- 5. Respiratory System**
- 6. Digestive System**
- 7. Excretory System**
- 8. Skeletal System**
- 9. Muscular System**
- 10. Integumentary System**
- 11. Reproductive System**