

ZOO 103

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Time: Sundays and Tuesdays 8:00-9:00am

Office hours: Mondays 11:00am-1:00pm and

Thursdays 8:00-11:00am and 12:00-1:00pm

103 ZOO content

103 Zoo	(Principles of General Zoology 3 (2+1))
Contents	Study of Structure of animal cell, Tissues, General characters of animal Kingdom. Classification of animal Kingdom. Study of Protozoa with selected examples. General characters and classification of different phyla of animal Kingdom with selected examples. Introduction of physiology: Nutrition, digestion and metabolism, blood (structure and function)
Reference	<u>Campbell Biology - Jane B. Reece</u>

Syllabus

WEEKS	DATE	LECTURES	DATE OF EXAMES
1	30-8/11-1	Lec introduction-1	
2	6-9/18-1	Lec 2-3	
3	13-9/25-1	Lec 4-5	
4	20-9/3-2	Lec 6	
5	27-9/10-2	Lec 7-8	
6	4-10/17-2	Lec 9-10	
7	11-10/24-2	Lec 11-12	Mid Theory1 Monday 12-10/25-2 From Lec 1-10
8	18-10/3-3	Lec 13-14	
9	25-10/8-3	Lec 15-16	
10	1-11/15-3	Lec 17-18	
11	8-11/22-3	Lec 19-20	Mid Theory2 Monday 9-11/23-3 From Lec 11-18
12	15-11/29-3	Lec 21-22	Final lab 1
13	22-11/7-4	23	
14	29-11/14-4	Revision	
15	6-12/21-4		Final lab2

Plan

توزيع الدرجات الفصلية الجزء النظري لمنهج 103 حين (30 درجة)

1. اختبار فصلي أول 12 درجة في الأسبوع السابع يوم الاثنين الساعة 12 -1 بتاريخ 12 أكتوبر الموافق 25 صفر 1442 حضوريا

2. اختبار فصلي ثاني 12 درجة في الأسبوع الحادي عشر يوم الاثنين الساعة 12 -1 بتاريخ 9 نوفمبر الموافق 23 ربيع أول 1442

حضوريا

3. تكليف واحد 6 درجات يتم تسليمه لدكتورة المقرر

توزيع الدرجات الفصلية الجزء العملي لمنهج 103 حين (30 درجة)

1. اختبار نهائي لجزء الهستولوجي العملي 12 درجة في الأسبوع الثاني عشر وقت المعمل وفي نفس المعمل حضوريا

2. اختبار نهائي لجزء التشريح العملي 10 درجات في الأسبوع الخامس عشر وقت المعمل وفي نفس المعمل حضوريا

3. حضور ومشاركة 3 درجات

4. تكليف واحد وتسليم الرسومات 5 درجات يتم تسليمها لأستاذة المقرر العملي

الاختبار النظري النهائي 40 درجة

إرشادات

- الالتزام بالحضور في موعد المحاضرة
- وضع مكبر الصوت والكاميرا وضع الاغلاق
- رفع اليد للسؤال
- عدم التغيب عن الامتحان الا لسبب قاهر مع الاثبات
- عند التغيب عن اكثر من 25% من عدد المحاضرات بما فيها المعامل تحرم الطالبة من دخول الامتحان النهائي

The 103 Zoo Objectives

[Next Slide](#)

The Objectives

Summary of the main learning outcomes for students enrolled in the course

- Types and chemical structure of organic molecules (carbohydrates, proteins, lipids and nucleic acids (DNA & RNA)).
- Structure of animal cell (basic cytology).
- Cell division.
- Structure, function and types of animal tissues (basic histology)
- Systematic study of animal Kingdom (Basic taxonomy):
- Sub-kingdom: Protozoa (different examples of animals)
- Sub-kingdom: Parazoa (different examples of animals)
- Sub-kingdom: Metazoa (different examples of animals)
- Anatomical study of mouse as an experimental animal (examples of the different body systems and their organs.
- Principals of animal Physiology.

what is the zoology ?

Anatomy

Embryology

Molecular Biology

Cell biology

Histology

Genetics

Taxonomy

Immunology

Physiology

what is the zoology ?

- **Zoology** (Gr., Zoon=animal + Logos=Science) is the study of animals life.
 - **OR**- It is one of biological science that concerns with the study of animals as regard to their form structure, various activities.
- **Zoologists** study all aspects of animal life from their cells to the animal itself.
- Below is a list of branches of zoology and a brief description of each.



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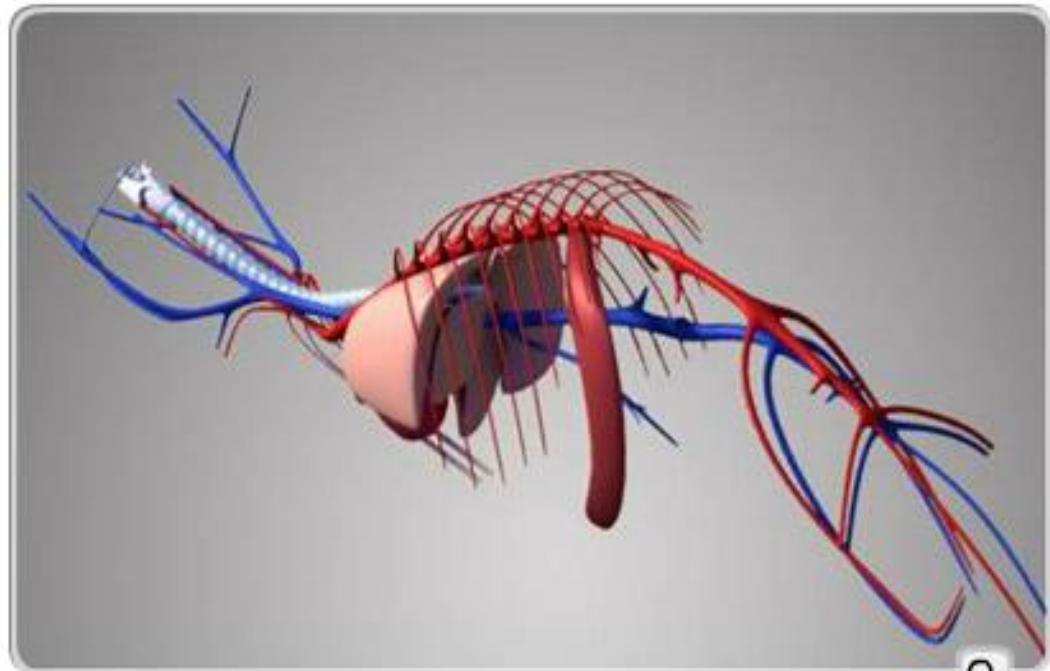
Taxonomy

Immunology

Physiology

Anatomy

Anatomy :
is the science which deals with the structure of the body.



what is the zoology ?

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Embryology

Embryology:

Is the science which deals with the formation, early growth, and development of living organisms (within the fertilized egg up to the adult stage).



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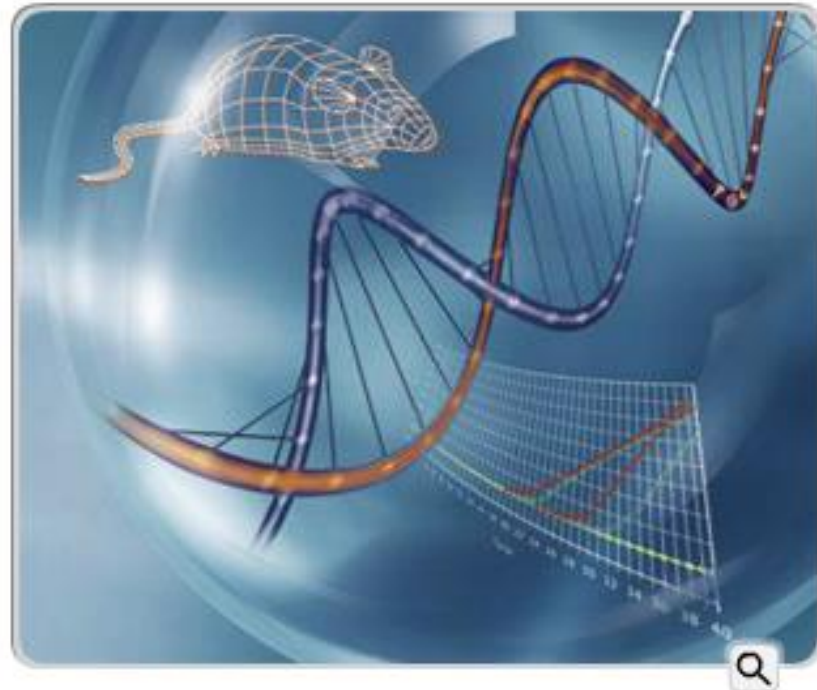
Immunology

Physiology

Molecular Biology

Molecular Biology:

Is the science which deals with the common genetic and developmental mechanisms of animals and plants.



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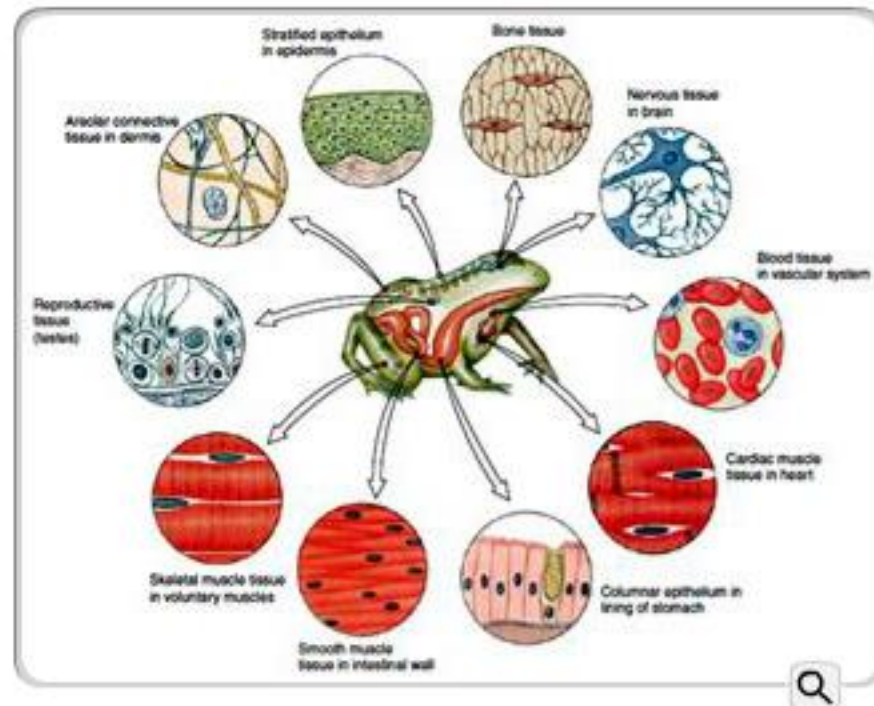
Immunology

Physiology

Histology

Histology:

It is the science which deals with the microstructures of tissues and organs.



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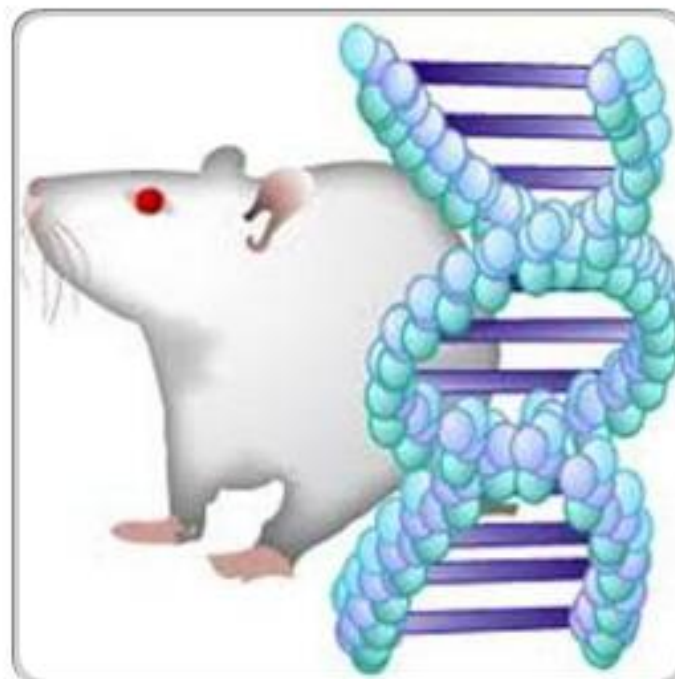
Immunology

Physiology

Genetics

Genetics:

It is the science which deals with the hereditary and variation in living organisms .



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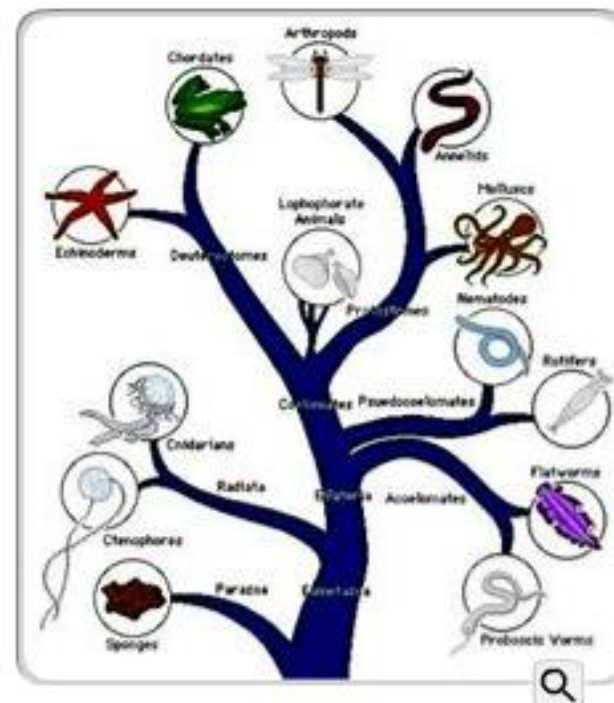
Immunology

Physiology

Taxonomy

Taxonomy:

It is the science which deals with the classification of organisms



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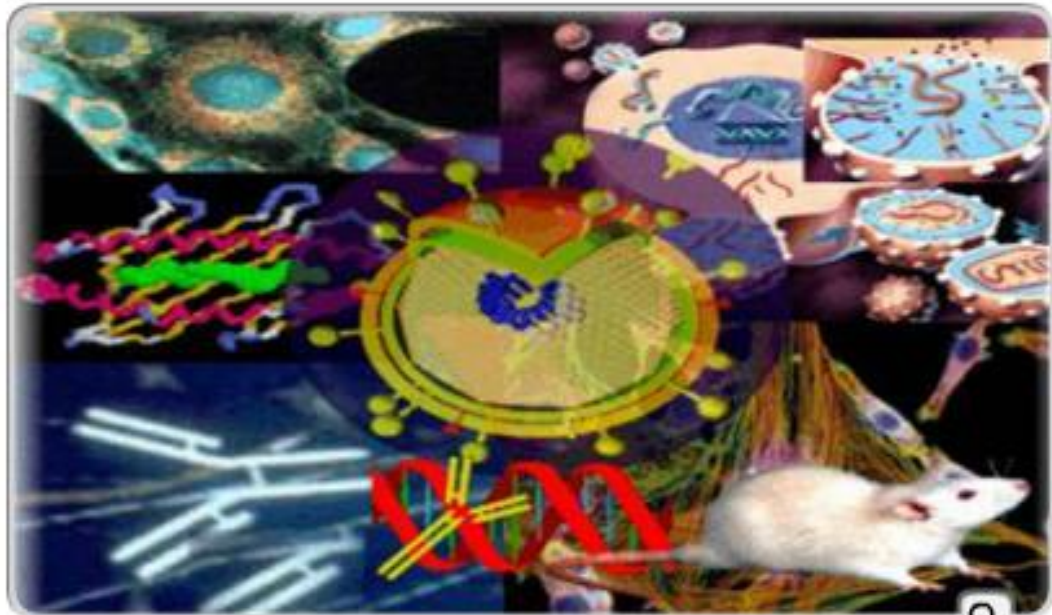
Immunology

Physiology

Immunology

Immunology:

It is the science which deals with the immune system in all organisms



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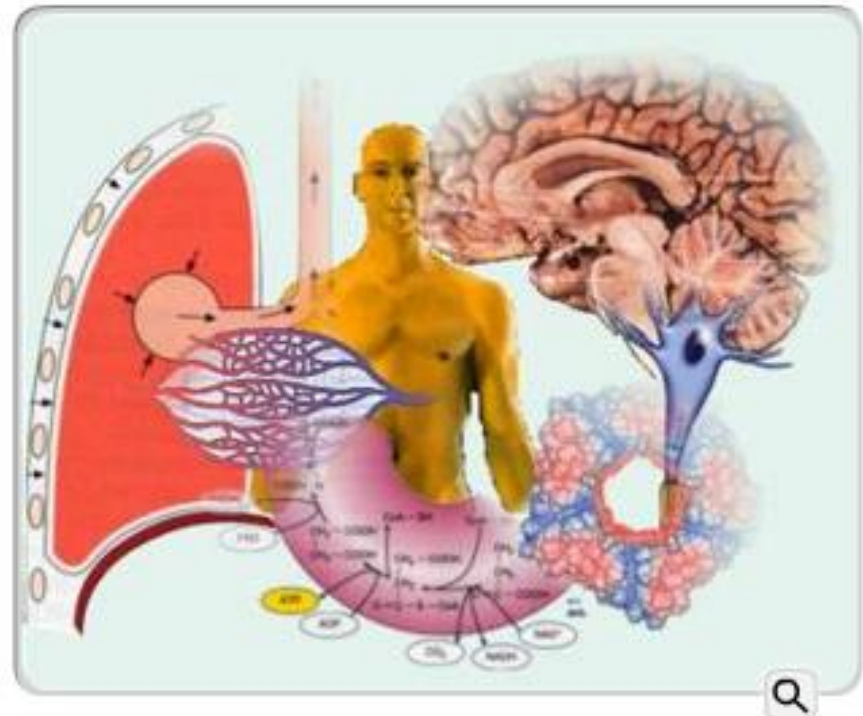
Immunology

Physiology

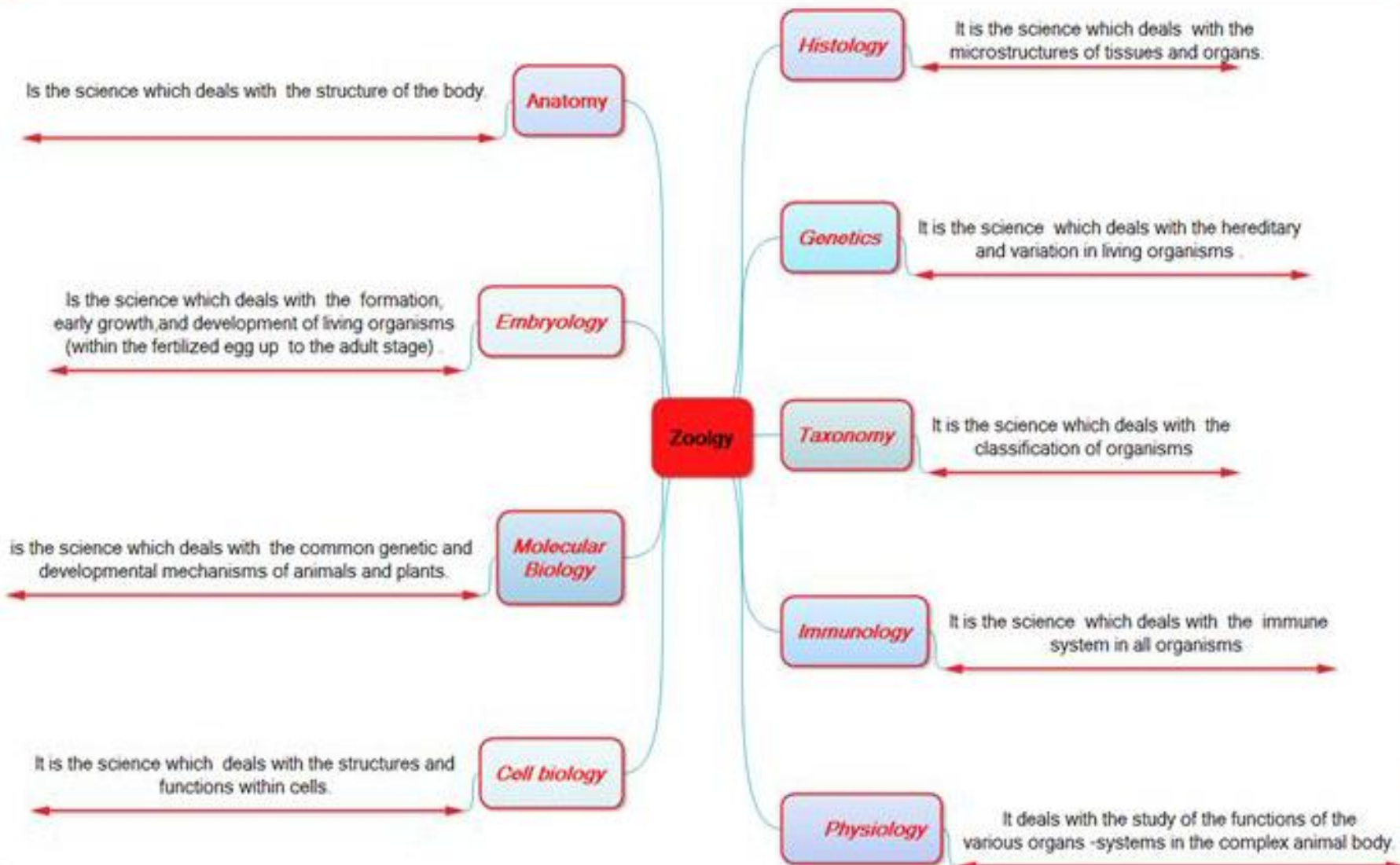
Physiology

Physiology:

It deals with the study of the functions of the various organs -systems in the complex animal body.



Summary



Quiz1

Question 1 of 1

Point Value: 5

Match the correct sentence

Anatomy

It is the science which deals with the classification of organisms

Molecular Biology

is the science which deals with the structure of the body.

Cell biology

It deals with the study of the functions of the various organs -systems in the complex animal body.

Taxonomy

is the science which deals with the common genetic and developmental mechanisms of animals and plants.

Physiology

It is the science which deals with the structures and functions within cells.

Score so far: 0 points out of 0

SUBMIT