

## أسئلة الامتحان النهائي القسم الالكتروني منهج انسباير مع الحل



### تم تحميل هذا الملف من موقع المناهج الإماراتية

موقع المناهج ⇨ المناهج الإماراتية ⇨ الصف الحادي عشر المتقدم ⇨ علوم ⇨ الفصل الثالث ⇨ ملفات متنوعة ⇨ الملف

تاريخ إضافة الملف على موقع المناهج: 2025-05-25 17:42:32

ملفات اكتب للمعلم اكتب للطالب ا اختبارات الكترونية ا اختبارات ا حلول ا عروض بوربوينت ا أوراق عمل  
منهج انجليزي ا ملخصات وتقارير ا مذكرات وبنوك ا الامتحان النهائي للمدرس

المزيد من مادة  
علوم:

### التواصل الاجتماعي بحسب الصف الحادي عشر المتقدم



صفحة المناهج  
الإماراتية على  
فيسبوك

الرياضيات

اللغة الانجليزية

اللغة العربية

التربية الاسلامية

المواد على تلغرام

### المزيد من الملفات بحسب الصف الحادي عشر المتقدم والمادة علوم في الفصل الثالث

أسئلة الامتحان النهائي القسم الالكتروني منهج انسباير بدون الحل

1

أسئلة الامتحان النهائي القسم الالكتروني منهج بريدج مع الحل

2

أسئلة الامتحان النهائي القسم الالكتروني منهج بريدج بدون الحل

3

الهيكل الوزاري الجديد 2025 منهج بريدج الخطة C

4

حل تجميعية امتحانات وزارية نهائية سابقة للمنهجين بريدج وانسباير

5

**حلول الاختبار الوزاري احياء 11&12 انسابير لعام 2023-2024**

**الاختبار الوزاري احياء**

**لعام 2023-2024**

**[ احياء | Biology ]**

**للفيف الحادي عشر متقدم**

**لمنهج [Inspire]**

**ملف الحلول**



**عمل الطالب عبد المؤمن حسام**

**للوصل الى جميع الملفات و الاختبارات و حلولها !! 🖱️**

**[https://t.me/Alef\\_all](https://t.me/Alef_all)**

Hamad suffers from an allergy to animal dander. Which of the following substances does his body produce when it touches rabbit hair?

**Learning Outcomes Covered**

- BIO.3.1.01.087

a.

Acetylcholine

b.

Cytokines

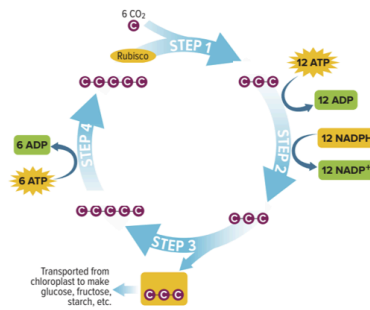
c.

Histamine

d.

lysozyme

Which of the following is the right order for molecules that are produced in the Calvin cycle starting from  $\text{CO}_2$  fixation?



- a. 3- phosphoglycerate (3-PGA) , Ribulose 1, 5-bisphosphates (RuBP) , glyceraldehyde 3- phosphate
- b. Glyceraldehyde 3- phosphate , Ribulose 1, 5-bisphosphates (RuBP) , 3- phosphoglycerate (3-PGA)
- c. Ribulose 1, 5-bisphosphates (RuBP) , 3- phosphoglycerate (3-PGA) , glyceraldehyde 3- phosphate
- d. 3- phosphoglycerate (3-PGA) , glyceraldehyde 3- phosphate , Ribulose 1, 5-bisphosphates (RuBP)

The equation below represents the reactants and the products of photosynthesis:



Which of the following molecules' breakage is essential for initiating the chemiosmosis process?

#### Learning Outcomes Covered

- BIO.3.1.02.027

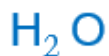
a.



b.



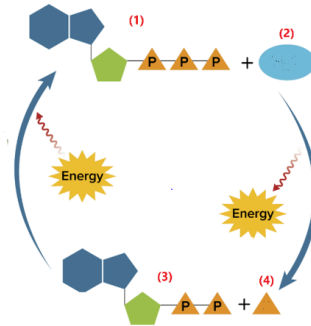
c.



d.



In living organisms, chemical energy is stored in biological molecules and can be converted to other forms of energy when needed as shown in the figure below. Which of the following represents number (3)?



### Learning Outcomes Covered

- BIO.3.1.02.025

a.

ADP

b.

ATP

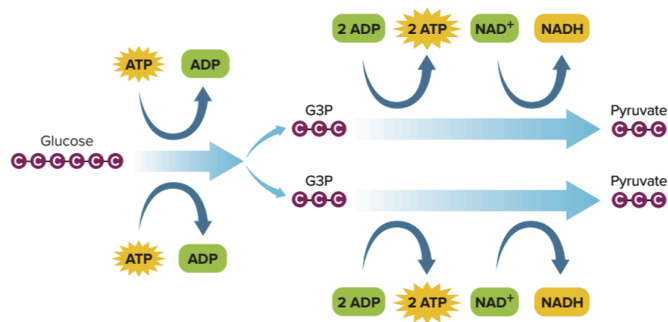
c.

NADP

d.

NADPH<sub>2</sub>

Which of the following is true regarding the results of the glycolysis process shown in the figure below?



#### Learning Outcomes Covered

- BIO.3.1.02.028

a.

Two ATP and two pyruvate molecules

b.

Three ATP and four pyruvate molecules

c.

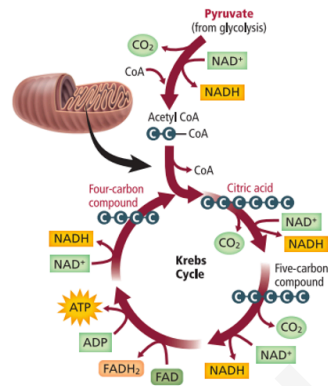
Four ATP and three pyruvate molecules

d.

Two ATP and three pyruvate molecules

The figure below shows the Krebs cycle and the preparatory reaction. Study it and answer the question:

In the electron transport chain, how many ATP molecules are produced from all NADH molecules that are released upon breakage of one glucose molecule?



### Learning Outcomes Covered

- BIO.3.1.02.028

a.

30

b.

18

c.

12

d.

21



The figure below represents an x-ray of an arm of a patient with rheumatoid arthritis disease. Which of the following is the right classification of this disorder?



#### Learning Outcomes Covered

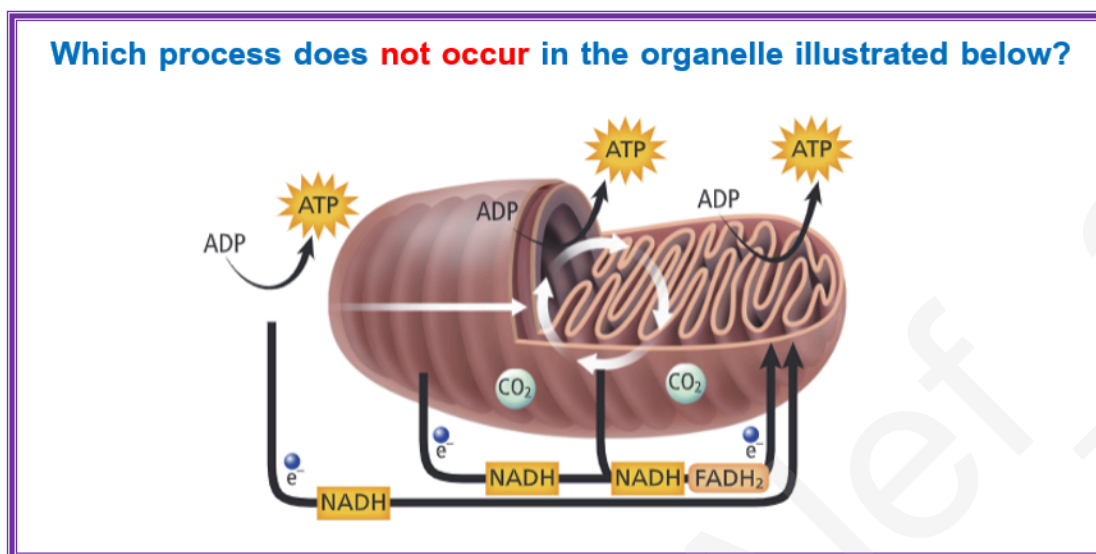
- BIO.3.1.01.087

a. Infectious disease

b. Allergic reaction

c. Autoimmune disease

d. Metabolic disease

**Learning Outcomes Covered**

- BIO.3.1.02.028

a. Glycolysis

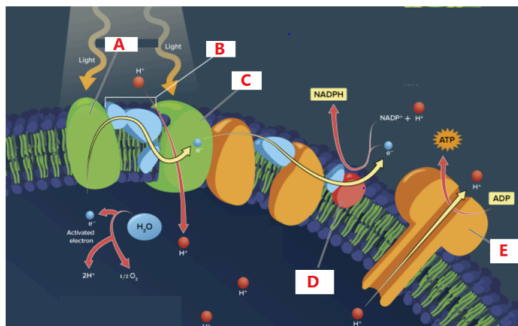
b. Krebs cycle

c. Conversion of pyruvate into acetyl CoA and Electron transport

d. Electron transport

The figure below illustrates the electron transport in light reactions of photosynthesis.

Which of the following statements is **False**?



#### Learning Outcomes Covered

- BIO.3.1.02.027

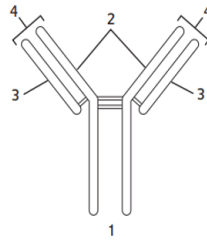
a. E letter in the image refers to the ATP synthase enzyme

b. B letter in the image refers to the electron carrier

c. C letter in the image refers to the Photosystem II

d. D letter in the image refers to the Ferredoxin

The figure below is an illustration of an antibody. Which of the following explains the importance of parts 2 and 3 for the formation of the antibodies?



#### Learning Outcomes Covered

- BIO.3.1.01.089

a.

They allow the formation of an enormous number of possible antibodies.

b.

They are created by the T cells in the immune system.

c.

They help to reduce the number of antibodies that form.

d.

They help to stimulate the inflammatory response.

Which of the following organisms follows a k-strategy for reproduction?

Learning Outcomes Covered

- BIO.3.4.01.033

a.

The locusts

b.

A mouse

c.

Fruit fly

d.

Elephant

Which of the following is an example of a pandemic disease?

Learning Outcomes Covered

- BIO.3.1.01.087

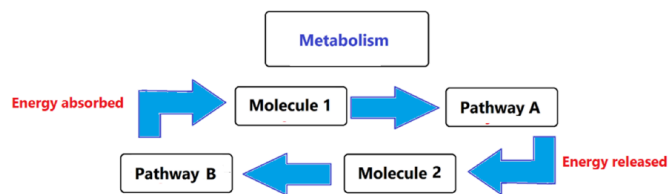
a. Several hundred people in a town infected with the same flu

b. Ten percent of people in Saharan African countries infected with HIV

c. Troop of boy scouts contracting Giardia from infected water

d. Twelve million American citizens with some form of cancer

The figure below demonstrates the metabolism in the plants, which is a series of chemical reactions in the cell where a product of one reaction is a substrate of the next reaction. Which of the following is a correct description of the ongoing process?



#### Learning Outcomes Covered

- BIO.3.4.01.028

a.

Pathway A represents the anabolic pathway

b.

Pathway B represents the cellular respiration

c.

Molecule 2 is bigger than the molecule 1

d.

Pathway B represents the photosynthesis

Which of the following represents a nonspecific response to viral invasion that can bind to cells and stimulate them to produce antiviral proteins, which can prevent antiviral replication in these cells?

**Learning Outcomes Covered**

- BIO.3.1.01.088

a.

**Interferon**

b.

**Complement protein**

c.

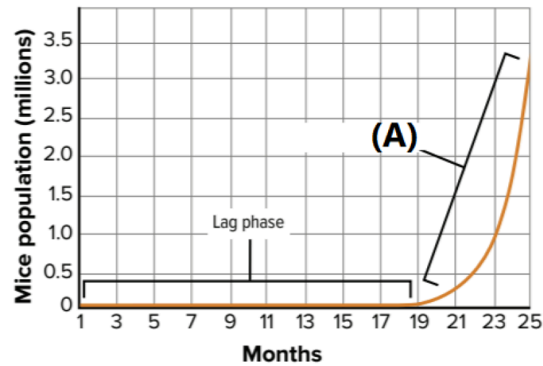
**Macrophages**

d.

**Neutrophils**



The graph below represents the mice population growth over time, which population growth model does the letter (A) refer to?



### Learning Outcomes Covered

- BIO.3.4.01.033
- BIO.3.4.01.042

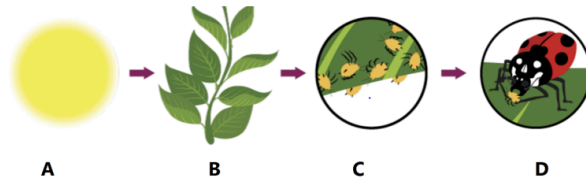
a. Exponential growth

b. Acceleration phase

c. Carrying capacity

d. Straight-line growth

In the figure below, almost all the energy in living organisms, originate from the Sun. According to the second law of thermodynamic, which of the following letters represents the trophic level with the highest entropy and least usable energy?

**Learning Outcomes Covered**

- BIO.3.4.01.028

a.

A

b.

B

c.

C

d.

D

The table below shows different diseases and their causes. Which of the following diseases are transmitted through vectors?

Disease	Cause
Tetanus	Bacterium
Strep throat	Bacterium
Lyme disease	Bacterium
Chicken pox	Virus
Rabies	Virus
Influenza (the flu)	Virus
Hepatitis B	Virus
Giardia	Protozoan
Malaria	Protozoan
Athlete's foot	Fungus

#### Learning Outcomes Covered

- BIO.3.1.01.087

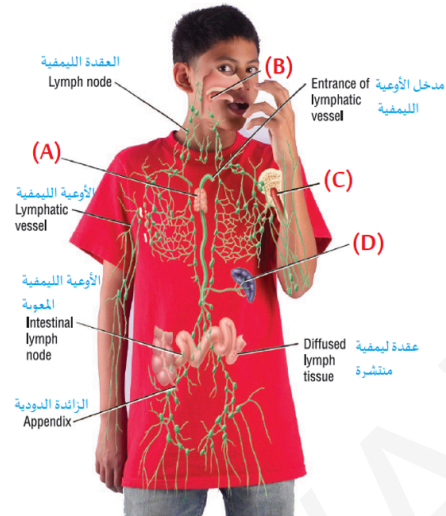
a. Tetanus and chicken Pox

b. Lyme disease and Malaria

c. Giardia and Malaria

d. Rabies and Hepatitis B

In the figure below, the lymphatic system contains the organs involved in the specific immune response.  
Which letter of the following indicates the lymphatic organ where T cells mature?

**Learning Outcomes Covered**

- BIO.3.1.01.089

a.

A

b.

B

c.

C

d.

D

The figure below represents the anthrax bacteria, which Koch isolated from the cattle. After growing the bacteria in the laboratory, he injected the bacteria in a healthy animal. Which of the following is **not** one of the Koch's postulates?



#### Learning Outcomes Covered

- BIO.3.1.01.087

a.

The suspected pathogen must be isolated from the disease host in half the cases of the disease

b.

The suspected pathogen must be grown in pure culture on artificial media in the laboratory

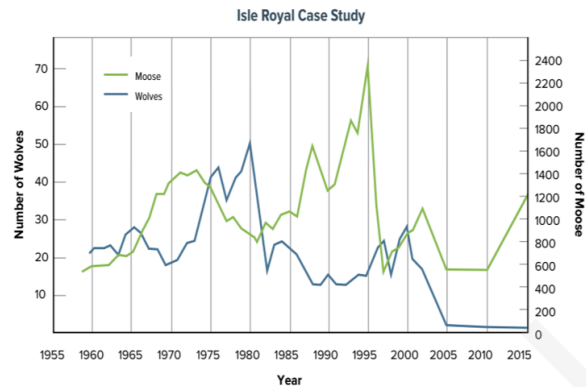
c.

The suspected pathogen must cause the same disease when injected in a healthy new host

d.

The suspected pathogen must be isolated from the new host

As shown in the graph below, a study of density dependent factors was done on the wolf and moose populations on Isle Royal. Which of the following **does not** represent the results shown in the graph below?



#### Learning Outcomes Covered

- BIO.3.4.01.033
- BIO.3.4.01.042

a.

The study shows the relationship between the number of predators and prey.

b.

The rise and the fall of the number of each group was dependent on the other group.

c.

As the number of wolves decreased, the number of moose increased.

d.

The population density of both groups increased between 2000 and 2005.

# دعواتكم



عمل الطالب عبد المؤمن حسام

للوصل الى جميع الملفات و الاختبارات و حلولها !! 🖱️

[https://t.me/Alef\\_all](https://t.me/Alef_all)