

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z



كلية العلوم

القسم : الكيمياء

السنة : الثانية

اسئلة دورات محلولة

تخصيصة

A 2 Z 1 LIBRARY

مكتبة A to Z : Facebook Group

كلية العلوم ( فيزياء ، كيمياء ، رياضيات ، علم الحياة )

يمكنكم طلب المحاضرات برسالة نصية ( SMS ) أو عبر ( What's app ) على الرقم TEL: 0931497960

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

**I. Answer the following questions :**

**[ 50 marks]**

1. Define matter , mass, volume ?
2. The chemical properties of alkali metals?
3. Is Crushing a rock a physical or chemical change? why ?
4. Mention four observations that suggest a chemical change is occurring?

**II. Choose the correct answer:**

**[ 20 marks]**

5. When aluminum reacts with iron III oxide in the clay pot, .....
  - a. a solid precipitate, forms
  - b. the solution bubbles as carbon dioxide forms
  - c. the energy is released as heat and light
6. Particles in a liquid.....
  - a. move randomly over large distances.
  - b. are close together and slide past one another.
  - c. are in a rigid structure and vibrate in place.
7. .... Is a substance that forms in a chemical reaction.
  - a. Reactant
  - b. Product
  - c. Volume
8. .... depends on gravity.
  - a. Weight
  - b. Mass
  - c. Conversion factor

**III. True [ T ] or false [ F ]:**

**[ 20 marks]**

9. Gases have fixed volume and fixed shape.
10. Hydrogen is the lightest of all metals.
11. Identity is the ratio of mass to volume.
12. Melting point and boiling point are chemical properties.

**III. Make the following sentences as required :**

**[ 10 marks ]**

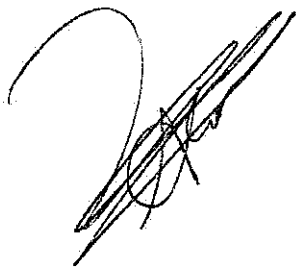
**13. Mushrooms absorb lithium. (passive voice ).**

**14. Hall discovered aluminum. (passive voice ).**

**GOOD LUCK**

**Examiner**

**Alaa Ahmad**



**2025/2/25**

**Dean**

**Dr. Hassan Suleiman**

**Atto**

**I. Answer the following questions : [ 50 marks]**

1. **Matter** : Anything that has mass and takes up space. *or volume*

**Mass** : is the quantity of matter contained in an object.

Or : a measure of the amount of matter in an object.

**Volume** : is the space the object occupies.

Or : a measure of the size of a body or region in three dimensional space.

2. **Alkali metals** are highly reactive. They form bonds with other elements, giving away their single outer electron

3. **Crushing a rock** is a physical change because particles separate but do not change identity.

4. a. The evolution of a gas.

b. The formation of a precipitate

c. The release or absorption of energy.

d. A color change in the reaction system.

**II. Choose the correct answer: [ 20 marks, 5 m. each one]**

5. c. the energy is released as heat and light.

6. b. are close together and slide past one another.

7. b. product

8. a. Weight

**III. True or False [ 20 marks, 5 m. each one]**

9. False \ F

10. false \ F

11. False \ F

12. False \ F

**Make the following sentences as required [ 20 marks, 5m. each one ]**

13. Lithium is absorbed by mushrooms.

14. Aluminum was discovered by Hall.

Examiner  
Alaa Ahmad

**1. Answer the following questions :**

[5720 05]

1. Matter : anything that has mass and takes up space.

**Mass** : is the quantity of matter contained in an object.

Or : a measure of the amount of matter in an object.

CONFIDENTIAL - EYES ONLY

Or : a measure of the size of a body or region in three dimensional space.

2. Alkali metals are highly reactive. They form bonds with other elements, giving

1940-1941

3. **Crushing a rock is a physical change because particles separate but do not change identity.**

- #### 4. a. The evolution of a gas.

[illegible]

- c. The release or absorption of energy.

- d. A color change in the reaction system.

**Il Choose the correct answer.**

10 marks 5 in each one]

5. c. the energy is released as heat and light.

- b. b. are close

7. D. Product

- 
- | Age Group | Percentage of Respondents |
|-----------|---------------------------|
| 18-29     | 85%                       |
| 30-49     | 80%                       |
| 50-69     | 75%                       |
| 70+       | 70%                       |

### III. True or False

[20 marks, 5 m. each one]

9. Faise \ F

44-38861-100

11. False ✓

12. false ✓

Make the following sentences as required [ 30 marks. 5m. each one ]

13. Lithium is absorbed by mushrooms.

14. Aluminum was discovered by Hall.

**I. Answer the following questions :**

**[ 40 marks]**

1. Define chemistry and mention its five branches ?
2. Define matter and mention three states of matter ?
3. Define Deoxyribonucleic acid "DNA " ?

**II. Choose the correct answer:**

**[ 40 marks]**

- 4..... is the process by which the substance changes from liquid to solid  
a. Evaporation                      b. Freezing                      c. Melting
- 5..... is the process by which the substance changes from solid to gas  
a. Evaporation                      b. Condensation                      c. Sublimation
6. Organic chemistry is the study of compounds that contain.....  
a. lipids                      b. proteins                      c. carbon
7. .... State has no definite volume or shape.  
a. Solid                      b. Liquid                      c. Gas
8. Burning of wood is an example of ..... change  
a. physical                      b. chemical                      c. analytical
9. Boiling of water is an example of ..... change  
a. physical                      b. chemical                      c. analytical
10. .... is the densest state of matter.  
a. Gas                      b. Liquid                      c. Solid
11. .... have a negative charge.  
a. Neutrons                      b. Protons                      c. Electrons

**III. Make the following sentences as required :**

**[ 20 marks ]**

12. Bell invented the telephone. (passive voice ).

13. The chemists study matter. (passive voice ).

14. Anna: I am working hard. ( Reported speech ).

15. Sam: I live in the city center. ( Reported speech ).

*GOOD LUCK*

*Examiner*

*Alaa Ahmad*

*Dean*

*Dr. Hassan Suleiman*

**I. Answer the following questions :**

**[ 40 marks]**

1. Chemistry: is a science that deals with the composition, structure and properties of matter, and of the transformations that they undergo.

The main five branches of chemistry are: physical, organic, inorganic, analytical and biochemistry.

**[ 20 marks]**

2. Matter : is anything that occupies space and has mass.

**[ 10 marks]**

States of matter are solid , liquid and gas

3. Deoxyribonucleic acid "DNA " :

**[ 10 marks]**

is an organic chemical that contains genetic information and instructions for protein synthesis. It is found in most cells of every organism.

**II. Choose the correct answer:**

**[ 40 marks, 5 m. each one]**

4. **b.** Freezing
5. **c.** Sublimation
6. **c.** carbon
7. **c.** Gas
8. **b.** chemical
9. **a.** physical
10. **c.** Solid
11. **c.** Electrons.

**III. Make the following sentences as required [ 20 marks, 5m. each one ]**

12. The telephone was invented by Bell.
13. Matter is studied by the chemists.
14. Anna said that she was working hard.
15. Sam said that he lived in the city center.

Examiner

**Alaa Ahmad**



**I. Answer the following questions: [30 marks]**

1. What are the branches of organic chemistry?
2. What are the chemical changes of matter?
3. Define Deoxyribonucleic acid "DNA" ?

**II. Choose the correct answer : [50 marks]**

4. Acids and bases are two types of.....chemistry.  
a. organic                      b. inorganic              c. analytical
5. carbon monoxide is an example of .....chemistry.  
a. organic                      b. inorganic              c. bio
6. The main difference in the structures of each state of matter is in the .....of the particles  
a. densities                      b. substances              c. properties
7. ....has a definite volume but not a definite shape.  
a. Gas                              b. Solid                      c. Liquid
8. ....is the process by which the substance changes from gas to solid.  
a. Sublimation                      b. Condensation              c. Deposition
9. ....is the process by which the substance changes from liquid to gas.  
a. Sublimation                      b. Condensation              c. Evaporation
10. Matter is made of atoms and .....  
a. particles                      b. molecules                      c. substances
11. Evaporating alcohol is an example of .....change.  
a. chemical                      b. physical                      c. analytical

12. Breaking a bottle is an example of..... change.

a. chemical                      b. physical                      c. analytical

13..... revolve around the nucleus in fixed orbits.

a. Protons                      b. Electrons                      c. Neutrons

**III. Make the following sentences as required :[20 marks]**

14. Mendeleev devised periodic table in 1869. (passive voice).

15. Scientists are studying matter . ( passive voice).

16. Sam : I went to my office yesterday. (reported speech).

17. Adam : I am planning to do it today.( reported speech).

*GOOD LUCK*

*Examiner*

**ALAA AHMAD**



*Dean*

**Dr. HASSAN SULEIMAN**

*Apr 2014*

Tartous University  
Faculty of science  
Chemistry Department

جامعة طرطوس  
كلية العلوم  
قسم الكيمياء  
لغة تخصصية 1 - السنة الثانية - امتحان الفصل الثاني /2022-2023/

I. Answer the following questions : ( 30 marks)

- Define Matter and mention three states of matter.
- Mention two examples of physical and chemical change.
- Mention five branches of chemistry.

II. Choose the best answer : (25 marks)

- Boiling of water is a ( physical / chemical) change.
- Scientists ( work / worked) on many projects in the past.
- She ( said/ told) me about her health.
- What ( do/ did) you do every summer?
- The process which a substance changes from a liquid state to a vapor state is ( melting / vaporization) .

III. make the following sentences as required : (20 marks )

- The scientists work on many projects. ( passive voice ).
- The doctor is reading the test ( passive voice ).
- Sami : I start my job . ( reported speech).
- Salma : I go out with my friend ( reported speech).

IV. Complete these following sentences (25 marks)

- Burning of wood is an example of ..... change.
- Chemistry focuses on ..... And ions.
- Liquid has definite volume but no fixed .....
- The process by which the physical state of matter changes from the gas into liquid .....
- Light isn't a matter . It is a form of .....

Good Luck

Examiner: Doha Salloum

كلية العلوم

قسم الكيمياء

لغة تخصصية 1

امتحان الفصل الثاني 2022-2023

I. 30 marks

1. ( 14 marks ) 5m. for the definition 3m. for each state  
Matter : everything that takes up space and has mass.

The states are : solid , liquid , gas and plasma.( only three)

2. (6m.) for each example

Examples will vary

3. ( 10 marks )

Answers will vary

II. 25 marks ( 5m. for each one )

1. Physical
2. worked
3. told
4. do
5. vaporization

III. 20 marks ( 5 m. for each )

1. Many projects are worked by the scientists.
2. The test is being read by the doctor.
3. Sami said he started his job.
4. Salma said she went out with her friends.

IV. 25 marks

1. Chemical
2. Atoms
3. Shape
4. Condensation
5. Energy

Examiner : Doha Salloum



- I. **Answer the following questions : ( 38 marks)**
- Mention five branches of chemistry.
  - Define Matter and mention three states of matter.
  - Mention two examples of physical change and two examples of liquid
- II. **Choose the best answer : (30 marks)**
- The state of matter which has definite shape is ( solid / plasma).
  - Souring of milk is a ( physical /chemical )change.
  - The workers ( use / used)old things in the past.
  - ( Do / Did) you do last week's English assignment?
  - The teacher always ( give / gives) students a lot of tasks.
  - The process which a substance changes from a solid state to a liquid state is ( melting / vaporization) .
- III. **make the following sentences as required : (12 marks )**
- The scientist works on a new project ( passive voice )
  - Many people invented a lot of things( passive voice )
- IV. **Complete these following sentences (20marks)**
- Light is a form of .....
  - Matter consists of .....
  - Digestion of food is an example of ..... Change.
  - The changes of a matter from the gas into liquid is .....
  - ..... doesn't have any fixed shape or volume.

Good Luck

Examiner: Doha Salloum

- I. 38 marks
1. (15m.)the branches of chemistry are:  
physical – organic –inorganic – analytical -  
biochemistry
  2. (15m. )Matter : everything that takes up space and  
has mass.  
The states are : solid , liquid , gas and plasma
  3. (8m. )Examples of physical change and liquid will  
vary
- II. 30 marks ( 5m. for each one )
1. solid
  2. chemical
  3. used
  4. did
  5. gives
  6. melting
- III. 12 marks ( 6 m. for each )
1. A new project is worked on by the scientist.
  2. A lot of things were invented by many people.
- IV. (20 marks)
1. Energy
  2. Atoms
  3. Chemical
  4. Condensation
  5. Gas

Examiner : Doha Salloum