

أسئلة الامتحان النهائي القسم الورقي منهج انسباير المسار المتقدم



تم تحميل هذا الملف من موقع المناهج الإماراتية

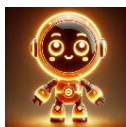
موقع المناهج ← المناهج الإماراتية ← الصف الخامس ← علوم ← الفصل الأول ← ملفات متنوعة ← الملف

تاريخ إضافة الملف على موقع المناهج: 08:27:56 2025-11-19

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

المزيد من مادة
علوم:

التواصل الاجتماعي بحسب الصف الخامس



صفحة المناهج
الإماراتية على
فيسبوك

الرياضيات

اللغة الانجليزية

اللغة العربية

التربية الاسلامية

المواد على تلغرام

المزيد من الملفات بحسب الصف الخامس والمادة علوم في الفصل الأول

حل كراسة تدريبية مراجعة وفق الهيكل الوزاري الجديد منهج بريدج

1

مذكرة مراجعة أسئلة وفق الهيكل الوزاري الجديد منهج بريدج

2

حل أسئلة تدريبية وفق الهيكل الوزاري الجديد منهج بريدج من برنامج تمكين

3

أسئلة تدريبية وفق الهيكل الوزاري الجديد منهج بريدج من برنامج تمكين

4

نموذج اختبار تجريبي Exam Mock وفق الهيكل الوزاري منهج انسباير متبوع بالإجابات

5



امتحان نهاية الفصل الدراسي الأول 2024/2023

End of Term 1 Exam 2023/ 2024

رقم الطالب	Student Number
اسم الطالب	Student Name
المدرسة	School
الصف	Class
المسار	Stream
المادة	Subject
5	
المتقدم / Advanced	
العلوم / Science	
انسبير/Inspire	

This table must be filled in accurately by the marking committee

يملأ هذا الجدول بدقة تامة من قبل لجنة التقدير

المراجع Reviewer	المقّدر 2 Marker 2	المقّدر 1 Marker 1	رقم السؤال Question No.	الأجزاء Parts
الاسم Name	الدرجة Mark	الاسم Name	الدرجة Mark	
			Q.(1)	Part 1 الأول 1
			Q.(2)	
			Q.(3)	
			Q.(4)	
				مجموع الجزء 1 Total 1 (40)

				Q.(1-15)	Part 2 الثاني 2
					مجموع الجزء 2 Total 2 (50)



N1AJM006022EN05ADVSCIT1P007

يحظر تصوير أو تداول الورقة الامتحانية قبل أو أثناء أو بعد الامتحان من خلال البريد الالكتروني أو وسائل التواصل الاجتماعي أو أي وسيلة أخرى ومن يخالف ذلك سيتخذ في حقه الإجراءات القانونية المتبعة.

It is prohibited to photocopy or circulate the exam paper before / during and after the exam through e-mail, social media or any other means; and whoever violates this will be subject to the followed legal proceedings.

School Administrations, Exam Committees and Marking Centers shall take this into account, monitor violations and take necessary measures.

العلوم - السبير
العلوم - السبير
العلوم - السبير

Dear Students

Important Guidelines

Make sure the
number of pages
in the question
booklet

Read questions
carefully and
organize your
thoughts before
starting to answer

اقرأ الأسئلة جيداً
ورتب أفكارك
قبل البدء
بالإجابة

تأكد من عدد
أوراق كتيب
الأسئلة

Use the blue
pen to answer
the question
booklet

Review your
answers before
submitting and
leaving the
examination hall

راجع إجابتك
جيداً قبل
التسليم ومغادرة
القاعة الامتحانية

استخدم القلم
الجاف الأزرق في
الإجابة على
كتيب الأسئلة

Seek assistance if you encounter any issues

اطلب المساعدة إذا واجهتك مشكلة

Part 1	الجزء 1
Show all your work when answering these questions.	يجب كتابة خطوات الحل التفصيلية للمفردات الاختبارية كافة.

Question	1	السؤال						
a) This question is about properties of materials. The properties are listed below: <table border="1" style="margin: 10px auto; width: 60%;"> <thead> <tr> <th colspan="2">Properties List</th></tr> </thead> <tbody> <tr> <td>solubility</td><td>definite shape</td></tr> <tr> <td>definite volume</td><td>no definite volume</td></tr> </tbody> </table> From the list of properties in the table above, choose the property that matches the items in boxes A, B, and C. Each property may be used once, twice, or not at all. (6 points)  aluminum foil A)  salt B)  water C) Image Source: www.shutterstock.com			Properties List		solubility	definite shape	definite volume	no definite volume
Properties List								
solubility	definite shape							
definite volume	no definite volume							



b) This part of the question is about physical and chemical changes:

- i. Ahmed dipped a piece of aluminum foil in a particular liquid. The image below shows the changes that occurred.

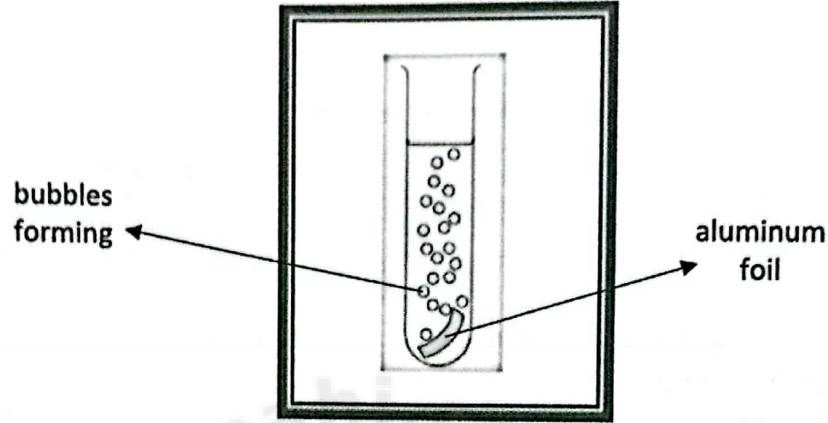


Image Source: <https://quizlet.com>

What type of change happens in Ahmed's experiment?
Explain your answer.

(4 points)

Type of change:

.....
.....

Explanation:

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.....
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.....
.....



b)

- ii. In another experiment, Ahmed added 15 g of sugar to water and stirred. After a few seconds, all of the sugar disappeared.



Image Source: www.shutterstock.com

What type of change happens this time in Ahmed's experiment?
Explain your answer.

(4 points)

Type of change:

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Explanation:

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c) This question is about changing states of matter:

Ahmed then decided to boil the water and sugar solution he made in Part b)-ii.



Image Source: www.istockphoto.com

After one hour all of the water in the solution had evaporated, and Ahmed was left with the sugar only.

- i. How many grams of sugar remained in the bowl after all the water had evaporated? (2 point)

Hint: refer to part b)-ii

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- ii. State the law that explains your answer in Part c)-i above: (2 points)

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Question	2	السؤال
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This question is about changes in seasons:

Given the four seasons listed below:

Spring begins	Winter begins
Summer begins	Autumn begins

- a) Fill in the boxes below with the correct seasons from the list above.
(4 points)

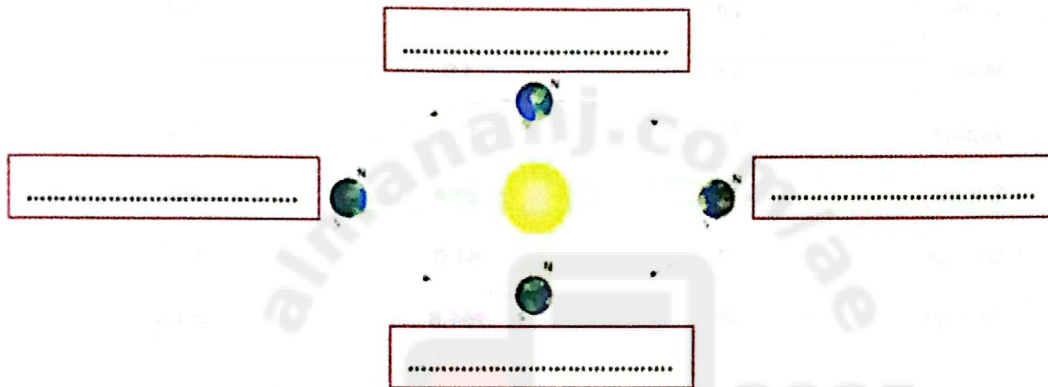


Image Source: Inspire Science Grade 5 Advance. Unit 4 Page 29

- b) Identify two reasons that cause Earth to experience different seasons.
(4 points)

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Question	3	السؤال
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This question is about planet distance from the Sun:

The table below gives information about the length of day and the length of year on different planets depending on their distance from the sun.

Planet	Length of Day (hours)	Length of Year (Earth years)	Distance from the Sun (AU)
Mercury	1,408	0.2	0.4
Venus	5,832	0.6	0.7
Earth	24	1.0	1.0
Mars	25	1.9	1.5
Jupiter	10	11.9	5.2
Saturn	10	29.4	9.5
Uranus	17	84.0	19.2
Neptune	16	164.8	30.0

- a) Using the table above, what can you conclude about the **year length** in comparison to the **planet's distance** from the sun? **(2 points)**

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- b) If a new planet was found to have a length of year 18.6 (Earth years), between which two planets would this length of year be the closest to?

(2 points)

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- c) How does the Earth's location affect what you see in the night sky? (2 points)

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Question	4	السؤال
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This question is about stars brightness:

The following table shows the distances of different stars from Earth:

Star	Distance from Earth (light-years)
Star A	8.6
Star B	11.4
Star C	6.0
Star D	4.2

a) Arrange the stars from dimmest to brightest using information from the table above.

(4 points)

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dimmest

→

.....

→

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→

.....

brightest

b) Explain your reasoning behind the arrangement you have in Part a:

(2 points)

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c) Explain the meaning of a light-year.

(2 points)



Part 2	الجزء 2
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Question	1	السؤال
	Matter is made up of _____.	
A	particles that are too small and cannot be seen	
B	particles that are too big and cannot be seen	
C	particles that are too small and can be seen	
D	particles that are too big and can be seen	

Question	2	السؤال
	The particles in a _____ are tightly packed together and vibrate in fixed positions.	
A	liquid	
B	solid	
C	gas	
D	vapor	

Question	3	السؤال
	Metals such as iron, copper, and silver are _____.	
A	good conductors	
B	poor conductors	
C	dull	
D	brittle	



Question	4	السؤال
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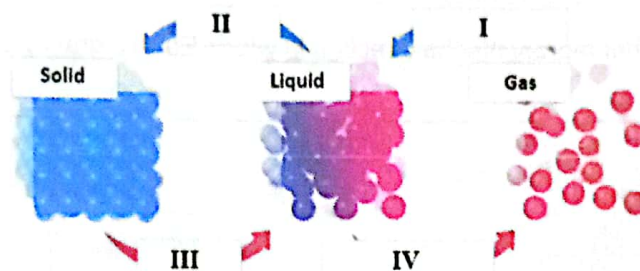


Image Source: Inspire Science Grade 5 Unit 1

Examine the image above and identify the process labeled IV.

A	evaporation
B	condensation
C	melting
D	freezing

Question	5	السؤال
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Compare the stars labeled in the figure below. Find which of these stars is closer to Earth.

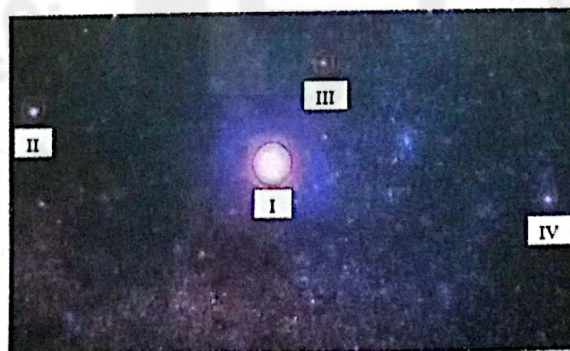
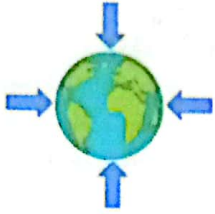
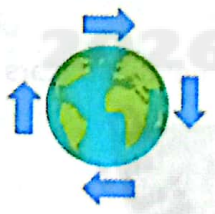
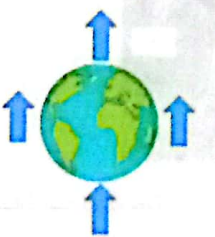


Image Source: www.pinterest.com

A	I
B	II
C	III
D	IV



Question	6	السؤال
Select the model that represents the direction in which Earth's gravity pulls objects .		
A		
B		
C		
D		



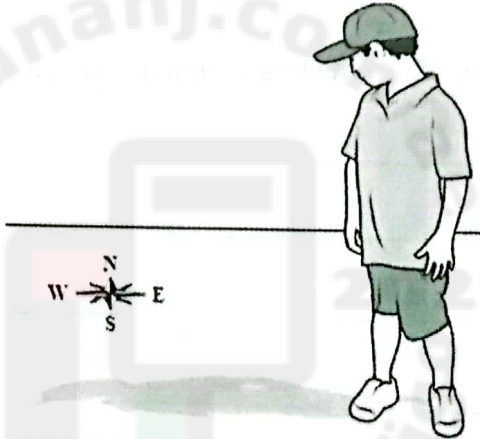
Question	7	السؤال
If you raise the temperature of water in a closed bottle, the number of water particles in the closed bottle _____.		
A	increases	
B	decreases	
C	remains the same	
D	increases and then decreases	

Question	8	السؤال
Fatima did an experiment on solubility. She mixed 20 grams of salt with 300 grams of water and added 30 grams of sand to that. Calculate the total mass of the mixture of water, sand, and salt.		
A	250 grams	
B	320 grams	
C	330 grams	
D	350 grams	

Question	9	السؤال
Identify the mixture that is a solution from the answer options below.		
A	salad	
B	tea	
C	steel	
D	sand	



Question	10	السؤال
The process in which two substances combine to make a new substance(s) is called a _____.		
A	chemical reaction	
B	physical reaction	
C	magnetism	
D	conductivity	

Question	11	السؤال
Khaled is looking at his shadow as shown in the picture below. Draw a conclusion about the location of the sun with regards to where Khaled is standing.		
 Image Source: Inspire Science Grade 5 Unit 4 Question Bank		
A	west	
B	east	
C	north	
D	south	



Question	12	السؤال
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Identify the force that allows the International Space Station to stay in Earth's orbit and not be pushed into space.



Image Source: <https://english.alarabiya.net/>

A	gravity
B	wind
C	temperature
D	light

Question	13	السؤال
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Compare the three statements below to find the statement(s) that lead(s) to a drop in energy:

- I. A scientist is preparing a liquid material from a gas.
- II. Ahmed boiled water on the stove for 30 minutes.
- III. Melted iron forming solid iron.

A	I only
B	I & III only
C	II only
D	I, II, & III



Question	14	السؤال
Examine the image below and use it to explain the change in energy that occurs when ice melts.		
 Image Source: Inspire Science Grade 5 Advance Unit 1		
A	the ice is losing energy	
B	the ice is gaining energy	
C	the energy of the ice does not change	
D	the energy change cannot be measured	

Question	15	السؤال
 Image Source: https://gulfnews.com		
Explain the involvement of gravity in the return of Sultan Al Neyadi's spacecraft to Earth.		
A	Gravity caused the spacecraft to be pulled downward.	
B	Gravity caused the spacecraft to be pulled to the left.	
C	Gravity caused the spacecraft to be pushed to the right.	
D	Gravity caused the spacecraft to be pushed upward.	



Additional Paper

ورقة إضافية

End of Questions

انتهت الأسئلة

