

تم تحميل هذا الملف من موقع المناهج الإماراتية



أسئلة الامتحان النهائي القسم الورقي منهج انسابير

موقع المناهج ← المناهج الإماراتية ← الصف الرابع ← علوم ← الفصل الثاني ← الامتحان النهائي ← الملف

تاريخ إضافة الملف على موقع المناهج: 11:48:21 2025-03-09

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 الرابع



صفحة المناهج
الإماراتية على
فيسبوك

الرياضيات

اللغة الانجليزية

اللغة العربية

التربية الاسلامية

المواد على تلغرام

المزيد من الملفات بحسب الصف الرابع والمادة علوم في الفصل الثاني

حل نموذج تدريبي لاختبار نهاية الفصل

1

نموذج تدريبي لاختبار نهاية الفصل

2

حل تدريبات على الامتحان وفق الهيكل الوزاري

3

تدريبات على الامتحان وفق الهيكل الوزاري

4

أسئلة الامتحان النهائي القسم الورقي منهج انسابير

5



امتحان نهاية الفصل الدراسي الثاني 2024/2023

End of Term 2 Exam 2023/ 2024

	رقم الطالب	Student Number
	اسم الطالب	Sudent Name
	المدرسة	School
4	الصف	Class
General	المسار	Stream
Science/العلوم	المادة	Subject
Inspire/إنسبير		

	الدرجة الكلية	Total
100		

المراجع Reviewer	المقَدِّر Marker	الاسم Name
		التوقيع Sign



N2DFA2065ADEN04GENSCIXT2P018

- يحظر تصوير أو تداول الورقة الامتحانية قبل أو أثناء أو بعد الامتحان من خلال البريد الإلكتروني أو وسائل التواصل الاجتماعي أو أي وسيلة أخرى ومن يخالف ذلك سيتخذ في حقه الإجراءات القانونية المتبعة.
- على إدارات المدارس ولجان الامتحانات ومراكز التقدير مراعاة ذلك ورصد أي مخالفات والعمل على اتخاذ الإجراءات اللازمة.

Part 1	الجزء 1
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Question	1	السؤال
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Which type of energy transformation occurs when you use the laptop in the figure below?



- | | |
|---|---|
| A | Electric energy to light energy only |
| B | Electric energy to light and sound energy |
| C | Electric energy to light and chemical energy |
| D | Electric energy to light, sound, and thermal energy |

Question	2	السؤال
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A stove, a heater and a match can all produce.....



Heater



Stove

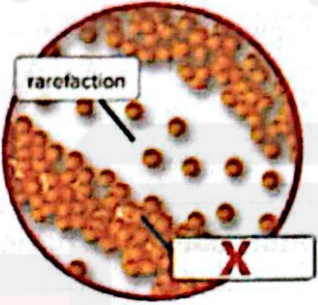


Match

- | | |
|---|----------------|
| A | Nuclear energy |
| B | Kinetic energy |
| C | Sound energy |
| D | Thermal energy |



Question	3	السؤال
Which of the following examples resembles the transformation of motion to sound energy?		
A	Plucked guitar string makes noise	
B	Rubbing warm hands	
C	Ball rolls down hill	
D	Burning candle heats up	

Question	4	السؤال
The image below represents a close look at the sound wave. Which of the following represents the letter X?		
		
A	Compression	
B	Peak	
C	Dip	
D	Vibration	



Question	5	السؤال
<p>The figure shows the types of energy.</p> <p>Which type of energy does the letter (X) refer to?</p>		
A	Solar energy	
B	Wind energy	
C	Geothermal energy	
D	Nuclear energy	

Question	6	السؤال
<p>Which of the following statements about sound is correct?</p>		
A	Sound travels fastest through solid and slowest through gas	
B	Sound travels fastest through liquid and slowest through solid	
C	Sound travels fastest through gas and slowest through liquid	
D	Sound travels fastest through gas and slowest through solid	

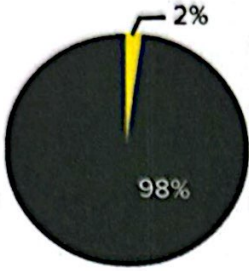
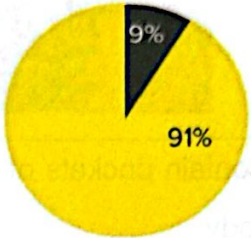


Question	7	السؤال
Which of the following is responsible of opening and closing the path in an electric circuit?		
A	Battery	
B	Switch	
C	Wire	
D	Resistor	

Question	8	السؤال
Which of the following defines the flow of electricity through a conductor?		
A	Battery	
B	Electric current	
C	Insulator	
D	Resistor	

Question	9	السؤال
Which of the following statements about thermal energy is correct?		
A	Thermal energy moves from a substance with a higher volume to a substance with a lower volume	
B	Thermal energy moves from a substance with a higher mass to a substance with a lower mass	
C	Thermal energy moves from a substance with a higher temperature to a substance with a lower temperature	
D	Thermal energy moves from a substance with a lower temperature to a substance with a higher temperature	




Question	10	السؤال
<p>The pie chart compares the percentages of heat and light energy produced from LED and incandescent light bulbs.</p> <p>What is the percentage of the heat that is produced from each of them?</p>		
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Incandescent</p> </div> <div style="text-align: center;">  <p>LED</p> </div> </div>		
A	LED 9% and incandescent 98%	
B	LED 9 % and incandescent 2%	
C	LED 91% and incandescent 98%	
D	LED 91% and incandescent 2%	

2025


2024

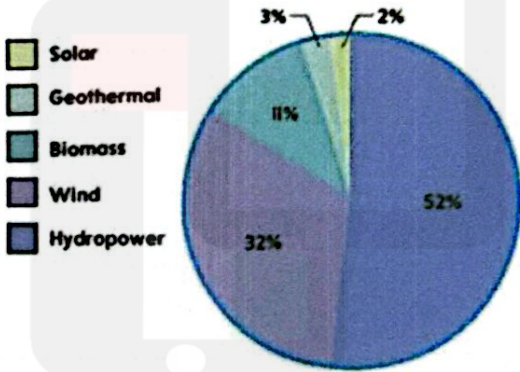


Question	11	السؤال
Why most of the winter coats are puffy?		
		
A	They contain pockets of air that prevent heat from moving away from your body	
B	They contain pockets of air that allow heat from moving away from your body	
C	They lack pockets of air that prevent heat from moving away from your body	
D	They contain pockets that warm up your hands	


Question	12	السؤال
.....is the most plentiful fossil fuel and it is found between rock layers.		
A	Natural gas	
B	Hydropower	
C	Coal	
D	Solar energy	



Question	13	السؤال
<p>The figure shows wind turbines.</p> <p>What kind of energy transformation does wind turbines do?</p>		
 <p>Wind turbines</p>		
A	kinetic energy into electrical energy	
B	Chemical energy into thermal energy	
C	Thermal energy into mechanical energy	
D	Chemical energy into kinetic energy	



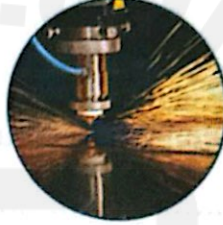

Question	14	السؤال												
<p>Based on the pie graph, what is the most widely used renewable source of electricity?</p>														
 <table border="1"> <caption>Renewable Energy Sources Data</caption> <thead> <tr> <th>Source</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Hydropower</td> <td>52%</td> </tr> <tr> <td>Wind</td> <td>32%</td> </tr> <tr> <td>Biomass</td> <td>11%</td> </tr> <tr> <td>Solar</td> <td>3%</td> </tr> <tr> <td>Geothermal</td> <td>2%</td> </tr> </tbody> </table>			Source	Percentage	Hydropower	52%	Wind	32%	Biomass	11%	Solar	3%	Geothermal	2%
Source	Percentage													
Hydropower	52%													
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A	Hydropower													
B	Solar													
C	Wind													
D	Geothermal													



Question	15	السؤال
How could building dams cause habitat loss or destruction?		
		
A	They harm the birds	
B	They produce light	
C	They cause pollution	
D	They block the natural migration of certain fish	



Part 2	الجزء 2
Show all your work when answering these questions.	يجب كتابة خطوات الحل التفصيلية للمفردات الاختبارية كافة.

Question	16	السؤال	
<p>Label the type of energy represented by each photo below by using the terms in the table below.</p>			
<p>Sound energy – Chemical energy – Light energy – Nuclear energy</p>			
 <p>A</p>	 <p>B</p>	 <p>C</p>	 <p>D</p>
<p>I. Photo A represents</p>			
<p>II. Photo B represents</p>			
<p>III. Photo C represents</p>			
<p>IV. Photo D represents</p>			



1. Choose the correct answer form the box below to complete each sentence.

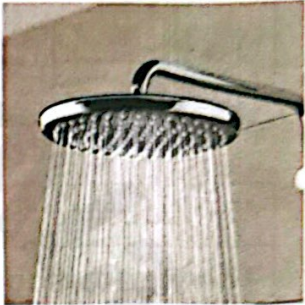
Coal – oil – natural gas

- I.is used mainly to generate electricity.
- II. can provide energy for cooking and heating our home.
- III.can be turned into gasoline and other types of fuel.

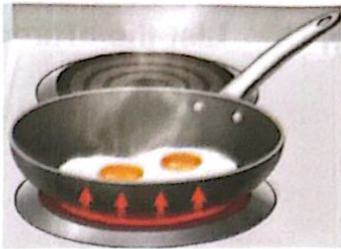
2. What are the concerns about using fossil fuels?

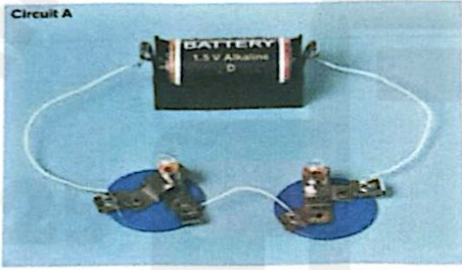
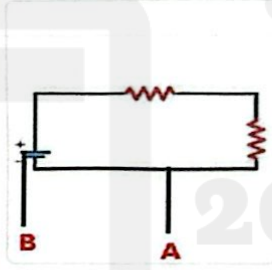
.....



Question	18	السؤال
Conservation is the practice of using resources wisely.		
The “Three Rs” guide people in how to conserve resources.		
I. List the “Three Rs”?		
•		
•		
•		
II. How could you conserve the water in the adjacent figure?		
.....		
.....		
		



Question	19	السؤال
<p>Thermal energy is transferred in three different ways.</p>		
<p>I. Use the figure to identify the type of thermal energy transfer.</p>		
<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>		
<p>II. List the remaining two types of thermal energy transfer?</p>		
<p>•</p> <p>•</p>		

Question	20	السؤال
<p>The figure shows a type of the electric circuit.</p>		
<div style="display: flex; justify-content: space-around;"> <div data-bbox="406 1064 869 1332">  </div> <div data-bbox="885 1064 1157 1332">  </div> </div>		
<p>I. Identify the type of the electric circuit shown</p>		
<p>.....</p>		
<p>II. Letter A represents</p>		
<p>III. Letter B represents</p>		
<p>IV. How to increase the resistance in this type of circuit?</p>		
<p>.....</p>		



Additional Paper

ورقة إضافية

Blank lined paper for writing, featuring horizontal dotted lines. A large watermark is visible across the page, reading "Almanahj.com" and "موقع المناهج" (Almanahj.com) with the years "2025" and "2024" on either side. The watermark also includes a stylized logo of a smartphone.

