

تم تحميل هذا الملف من موقع المناهج الإماراتية



نموذج 2 مراجعة نهائية وفق الهيكل الوزاري منهج انسابير

موقع المناهج ← المناهج الإماراتية ← الصف الرابع ← علوم ← الفصل الثاني ← ملفات متنوعة ← الملف

تاريخ إضافة الملف على موقع المناهج: 08:02:44 2025-03-10

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 ا للمدرس

المزيد من مادة
علوم:

إعداد: مدرسة الشاهين

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 1 مراجعة نهائية وفق الهيكل الوزاري منهج انسابير

1

نموذج 1 مراجعة نهائية وفق الهيكل الوزاري منهج انسابير

2

حل تدريبات مراجعة وفق الهيكل الوزاري منهج بريدج

3

تدريبات مراجعة وفق الهيكل الوزاري منهج بريدج

4

حل أسئلة مراجعة شاملة وفق منهج انسابير

5

GRADE 4 TERM 2 SCIENCE
REVISION 2 EOT EXAM 2024-2025

	Student name
	School
	Class
SCIENCE	Subject


Important instructions:


- This is only a resource book to help you review for the exam.
- Students need to solve the questions on their own.
- Read each question carefully and answer.







MULTIPLE CHOICE QUESTIONS	15 Questions X 4 = 60marks
FREE RESPONSE QUESTIONS	5 Questions X 8 = 40marks
Total	20 Questions = 100marks

Question*		Learning Outcome/Performance Criteria**		Reference(s) in the Student Book (English Version)		PDF
				المراجع في كتاب الطالب (النسخة العربية)	Page	
السؤال *		نتائج التعلم / معايير الأداء **		مثال/تمرين	الصفحة	
MCQ						Question No.
1	Students will identify and describe examples of energy changes in everyday situations.	Lesson 1 launch	5		1	
		Three-Dimensional Thinking	27		2	
2	Students will classify materials as thermal conductors or insulators based on their ability to transfer heat.*	Thermal Conductivity	74		3	
		Three-Dimensional Thinking	77		4	
3	Students will classify natural resources as renewable or nonrenewable based on their characteristics.	Nonrenewable Resources	94		5	
		pdf	pdf		6	
4	Students will identify and describe the type of energy produced by friction, specifically the generation of heat energy when rubbing hands together.	Three-Dimensional Thinking	77		7	
5	Students will identify and categorize different types of energy sources.	Lesson 3 launch	121		8	
		pdf	pdf		9	
6	Students will identify and name renewable energy sources.	Lesson 2 launch	105		10	
		Three-Dimensional Thinking	119		11	
7	Students will describe and identify the energy change shown in a picture, recognizing how energy is transferred or transformed in different situations.	Students' Textbook Question 1	13		12	
		Three-Dimensional Thinking	23		13	
8	Students will identify fossil fuels and recognize which energy sources are not fossil fuels.	Three-Dimensional Thinking	103		14	
		Lesson 2 launch	105		15	
9	Students will explain chemical energy and identify examples of it in real-life situations, using a given image to support their understanding.	Forms of Energy (Talk About It)	12		16	
10	Students will explain how human activities can change or affect the habitats of animals and plants.	Environmental Connection	126		17	
11	Students will identify sound energy as a type of energy produced by vibrations.	pdf	14		18	
12	Students will identify materials that are poor thermal conductors and understand how different materials transfer heat.	Three-Dimensional Thinking	59		19	
13	Students will identify and understand how energy can transform from one type to another.	Label the Photo: Energy in the Classroom	15		20	
14	Students will identify and describe different types of electric circuits.	Label a Diagram: Electric Circuit	50		21	
		Label a Diagram: Electric Circuit	50		22	
15	Students will identify the percentage of energy outputs from incandescent and LED lightbulbs.	Producing Thermal Energy	71		23	
		Producing Thermal Energy	71		24	
FRQ						
16	Students will describe how energy is transferred, including the conversion of energy from one type to another, and explain what happens when the circuit is broken.	pdf	pdf		25	
17	Students will classify energy sources as renewable or nonrenewable and correctly identify whether statements about energy sources are true or false.	pdf	pdf		26	
18	Students will identify and name types of thermal energy transfer, and describe the energy transformations in everyday examples.	pdf	pdf		27	
19	Students will identify natural resources, explain their properties such as heat conductivity, describe the environmental impacts and also understand recycling materials.	Thermal Conductivity	74		28	
		Habitat Loss	129			
		Lesson 3 Review	136			
		Three-Dimensional Thinking	137			
20	Students will identify and describe alternative energy sources, such as biomass, and explain their advantages. They will also learn how to interpret images to understand the percentage of each source of energy production.	pdf	pdf		29	
		Three-Dimensional Thinking	103			

Question	1
The radio sitting on the table made the water in my glass move. This shows	
A	Some types of energy cannot transfer through water.
B	The sound energy of the radio transferred to the water.
C	The electrical energy of the radio transferred through the water

Question	2
Which of the following slows down or stops the flow of electrical current?	
 Copper Silver Gold Wood	
A	Copper
B	silver
C	Wood
Question	3
Circle true or false Air, sunlight, water, soil, rocks, minerals, plants and animals are considered as natural resources.	
A	True
B	False

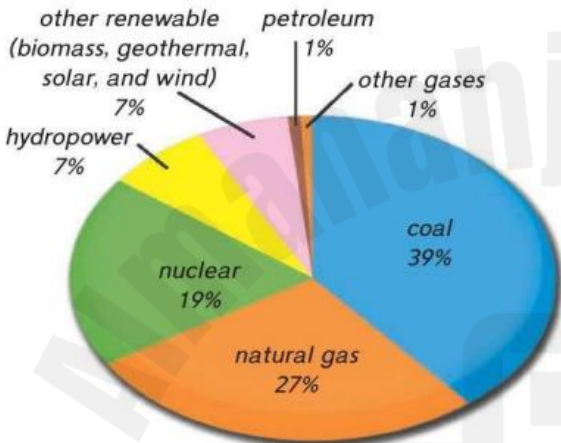
Question	4
When you rub your hands together quickly, what energy transfers are involved?	
	
A	Light energy
B	Thermal energy
C	Chemical energy

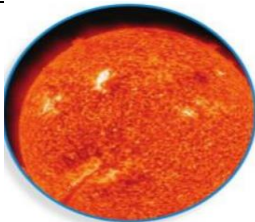
Question	5
<p>Circle the pictures that shows how we use energy from moving air and water.</p> <div style="display: flex; justify-content: space-around; align-items: flex-end;">       </div>	

Question		6
Choose the renewable energy resources from the given options. Choose all that apply.		
A		oil
B		sun
C		Wind and water

Question		7
Energy Transformation		Example
chemical to electrical		battery powered flashlight
light to thermal		sunlight heats the sidewalk
motion to sound		
A		Burning candle heats up
B		plucked guitar string makes noise


C	ball rolls down hill
---	----------------------

Question	8
 <p>Sources of Electricity</p> <p>Based on the "sources of electricity" pie graph, what is the total percentage of non-renewable energy resources that are used to generate electricity.</p>	
A	86%
B	100%
C	67%

Question	9
<p>What form of energy is represented in the image below?</p> 	
A	Chemical energy

B	Heat energy
C	Solar energy

Question	10
How does oil spill affect wildlife in a habitat?	
A	oil coats animal bodies
B	it protects the skin of an animal

Question	11
What causes sound energy when the drum hits?	
	
A	vibrations
B	light
C	Colour of the drum

Question	12
A _____ is a material that slows or stops the flow of energy.	
A	conductor
B	Insulator
C	battery

Question	13
In the given picture, the laptop transforms electrical energy into light, _____ and _____.	



A	Kinetic and sound
B	light and sound
C	sound and thermal energy
Question	14

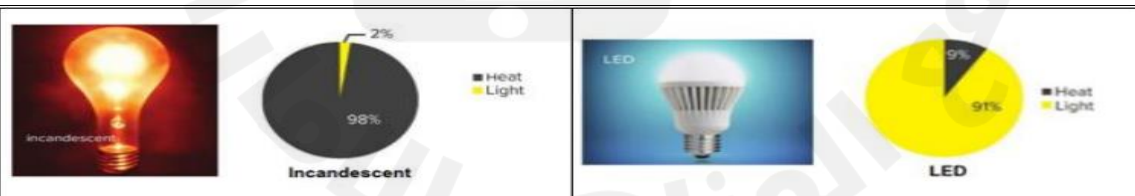
Which of the following best describes the above electric circuit?



A	Series circuit
B	parallel circuit
C	open circuit

Question	15
----------	----

The figure below compares the percentages of heat and light energy produced from LED and incandescent light bulbs.
What is the percentage of **heat** that is produced from each of them?




A	LED 91% and incandescent 2%
B	LED 9% and incandescent 98%

C		LED 98% and incandescent 91%
---	--	------------------------------

PART - B

Question	16
----------	----

A. The image below shows a lightbulb.



Use the words in the table to complete the sentences about how energy is transferred when you turn on a lightbulb.

electricity	light	heat	switch	wire	energy
-------------	-------	------	--------	------	--------

I. When you turn on the _____, electricity flows to the lightbulb.

II. The _____ carries the electricity to the lightbulb.

III. The lightbulb changes _____ energy into other types of energy.

IV. The lightbulb gives off _____ so we can see.

V. It also gives off _____, which makes it warm.

VI. This shows how _____ moves from one form to another.

B. Explain what happens if the circuit is broken?

Question	17				
<p>A. Classify the images of energy sources in the picture below as either renewable or nonrenewable:</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>A</p> </div> <div style="text-align: center;">  <p>B</p> </div> <div style="text-align: center;">  <p>C</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>D</p> </div> <div style="text-align: center;">  <p>E</p> </div> <div style="text-align: center;">  <p>F</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>G</p> </div> <div style="text-align: center;">  <p>H</p> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 50%;">RENEWABLE ENERGY</th> <th style="width: 50%;">NON-RENEWABLE ENERGY</th> </tr> </thead> <tbody> <tr> <td style="height: 30px;"></td> <td></td> </tr> </tbody> </table>		RENEWABLE ENERGY	NON-RENEWABLE ENERGY		
RENEWABLE ENERGY	NON-RENEWABLE ENERGY				
<p>B. Write true or false for each sentence below:</p> <p>i. Solar energy is a nonrenewable resource.</p> <p>ii. Coal is a renewable resource because it can be made again quickly.</p> <p>iii. Trees are a renewable resource because we can plant new trees.</p>					

Question	18																				
<p>1. From the table below choose the best thermal conductor.</p>																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="background-color: #e1f5fe;">Thermal Conductivity</th> </tr> <tr> <th style="background-color: #e1f5fe;">Material</th> <th style="background-color: #e1f5fe;">How Many Times Better Than Air It Conducts Heat</th> </tr> </thead> <tbody> <tr><td>Oak wood</td><td>6</td></tr> <tr><td>Water</td><td>23</td></tr> <tr><td>Brick</td><td>25</td></tr> <tr><td>Glass</td><td>42</td></tr> <tr><td>Stainless steel</td><td>534</td></tr> <tr><td>Aluminum</td><td>8,300</td></tr> <tr><td>Copper</td><td>15,300</td></tr> <tr><td>Silver</td><td>16,300</td></tr> </tbody> </table>		Thermal Conductivity		Material	How Many Times Better Than Air It Conducts Heat	Oak wood	6	Water	23	Brick	25	Glass	42	Stainless steel	534	Aluminum	8,300	Copper	15,300	Silver	16,300
Thermal Conductivity																					
Material	How Many Times Better Than Air It Conducts Heat																				
Oak wood	6																				
Water	23																				
Brick	25																				
Glass	42																				
Stainless steel	534																				
Aluminum	8,300																				
Copper	15,300																				
Silver	16,300																				

2.



Use the image above.

What has been cleared away in this strip-mining operation?

Why is it important to conserve natural resources?

Question

19

A. Biomass energy comes from _____ things like plants and trees.

(nonliving/living)

People burn _____ to make biomass energy. (fossil fuel/plants)

Biomass energy is _____ because we can grow more plants.

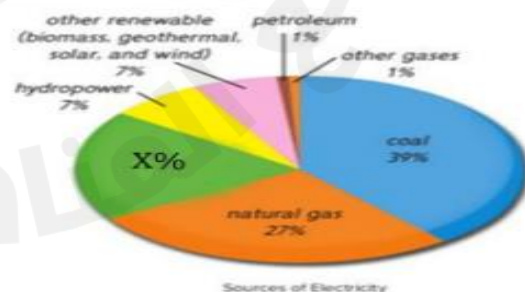
(renewable/nonrenewable)

True or False:

Biomass energy comes from the sun.

Wood and food waste can be used to make biomass energy.

B. i. What is the percentage of (X%) nuclear energy in the image below.



ii. Based on the "sources of electricity" pie chart, what is the total percentage of non-renewable resources that are used to generate electricity?

Question

20

A.



How does thermal energy get transferred from the Sun to the Earth in the image shown above?

B.



Identify the types of thermal energy transfer shown in the image above?

C. Identify the energy transformations in each of the picture below:

