

تم تحميل هذا الملف من موقع المناهج الإماراتية



حل نموذج 1 مراجعة نهائية وفق الهيكل الوزاري منهج انسابير

موقع المناهج ← المناهج الإماراتية ← الصف الرابع ← علوم ← الفصل الثاني ← حلول ← الملف

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منهج انجليزي | ملخصات وتقارير | مذكرات وبنوك | الامتحان النهائي 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

نموذج 1 مراجعة نهائية وفق الهيكل الوزاري منهج انسابير

1

حل تدريبات مراجعة وفق الهيكل الوزاري منهج بريدج

2

تدريبات مراجعة وفق الهيكل الوزاري منهج بريدج

3

حل أسئلة مراجعة شاملة وفق منهج انسابير

4

أسئلة مراجعة شاملة وفق منهج انسابير

5

GRADE 4 TERM 2 SCIENCE
REVISION 1 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* السؤال	Learning Outcome/Performance Criteria** نتائج التعلم/معايير الأداء**	Reference(s) in the Student Book (English Version) المراجع في كتاب الطالب (النسخة العربية)		PDF
		Example/Exercise مثال/تمرين	Page الصفحة	
MCQ				Question No.
1	Students will identify and describe examples of energy changes in everyday situations.	Lesson 1 launch Three-Dimensional Thinking	5 27	1 2
2	Students will classify materials as thermal conductors or insulators based on their ability to transfer heat.*	Thermal Conductivity Three-Dimensional Thinking	74 77	3 4
3	Students will classify natural resources as renewable or nonrenewable based on their characteristics.	Nonrenewable Resources pdf	94 pdf	5 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 pdf	121 pdf	8 9
6	Students will identify and name renewable energy sources.	Lesson 2 launch Three-Dimensional Thinking	105 119	10 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 Three-Dimensional Thinking	13 23	12 13
8	Students will identify fossil fuels and recognize which energy sources are not fossil fuels.	Three-Dimensional Thinking Lesson 2 launch	103 105	14 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 Label a Diagram: Electric Circuit	50 50	21 22
15	Students will identify the percentage of energy outputs from incandescent and LED lightbulbs.	Producing Thermal Energy Producing Thermal Energy	71 71	23 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 Habitat Loss Lesson 3 Review Three-Dimensional Thinking	74 129 136 137	28
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 Three-Dimensional Thinking	pdf 103	29

Question	1	
choose all the correct answers that shows examples of energy moving from one place to another.		
<input checked="" type="radio"/> A	<input type="checkbox"/>	Thunderclaps loudly
<input checked="" type="radio"/> B	<input type="checkbox"/>	Wood burns in a fireplace
<input type="checkbox"/> C	<input type="checkbox"/>	A book sits on a shelf

Question	2	
Materials that conduct heat poorly are called _____		
		
<input checked="" type="radio"/> A	<input type="checkbox"/>	Thermal insulators
<input type="checkbox"/> B	<input type="checkbox"/>	Thermal conductors
<input type="checkbox"/> C	<input type="checkbox"/>	conduction

Question	3	
Identify all the living natural resources in the image below.		
		
<input checked="" type="radio"/> A	<input type="checkbox"/>	plants
<input checked="" type="radio"/> B	<input type="checkbox"/>	animals
<input type="checkbox"/> C	<input type="checkbox"/>	oil

Question	4	
When you rub your hands together quickly, what energy transfers are involved?		
		
<input type="checkbox"/> A	<input type="checkbox"/>	Light energy
<input checked="" type="radio"/> B	<input type="checkbox"/>	Thermal energy
<input type="checkbox"/> C	<input type="checkbox"/>	Chemical energy

Question	5	
What energy does letter X ,Y,Z represents in the given figure below.		
A		Solar energy-x, wind energy - y, Geothermal energy -z
B		Solar energy-y, wind energy - z, Geothermal energy -X
C		Solar energy-z, wind energy - x, Geothermal energy -y

Question	6	
_____ is a useful material that is replaced quickly in nature.		
A		An alternative Energy source
B		A renewable resource
C		A non-renewable resource

Question	7	
What types of energy transformations occur when you flip a light switch at your house?		
A		Chemical energy to thermal energy
B		electrical energy into heat and light energy
C		Electrical to Chemical energy

Question	8	
<p>Sources of Electricity</p>		
Which of the following is not a fossil fuel?		
A		Coal
B		Natural gas
C		Hydropower

Question	9	
What form of energy is represented in the image below?		
A		Chemical energy
B		Heat energy
C		Sound energy

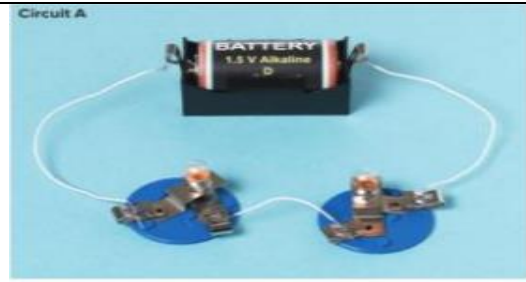
Question	10	
How does burning fossil fuels affect the environment?		
A		affects migration of animals
B		pollutes the air.

Question	11
What causes sound energy when the drum hits?	
<input checked="" type="radio"/> A	vibrations
<input type="radio"/> B	light
<input type="radio"/> C	Colour of the drum

Question	12
Identify all the insulators in the image below.	
<input type="radio"/> A	Kettle
<input checked="" type="radio"/> B	Wooden spoon
<input checked="" type="radio"/> C	Ball
<input type="radio"/> D	Coin

Question	13
From the given picture, the teacher transforms the chemical energy from the food into _____ and _____ energy.	
<input checked="" type="radio"/> A	Kinetic and sound
<input type="radio"/> B	. light and sound
<input type="radio"/> C	sound and heat
Question	14

Which of the following best describes the above electric circuit?



A	Series circuit
B	parallel circuit
C	open circuit

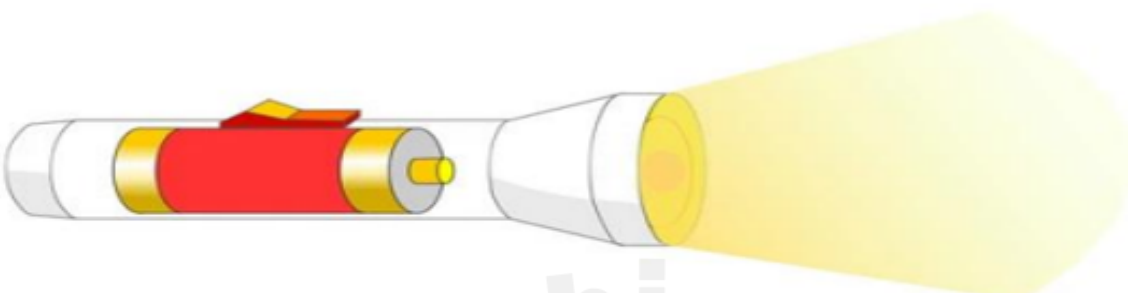
Question 15

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



A	LED 91% and incandescent 2%
B	LED 9% and incandescent 2%
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.							
<table border="1"><tr><td>electricity</td><td>light</td><td>heat</td><td>switch</td><td>wire</td><td>energy</td></tr></table>		electricity	light	heat	switch	wire	energy
electricity	light	heat	switch	wire	energy		
I. When you turn on the Switch electricity flows to the lightbulb.							
II. The Wire carries the electricity to the lightbulb.							
III. The lightbulb changes electricity energy into other types of energy.							
IV. The lightbulb gives off light so we can see.							
V. It also gives off heat which makes it warm.							
VI. This shows how Energy moves from one form to another.							
B. Explain what happens if the circuit is broken?							
The light will turn off. It will stop working.							

Question 17

A. Classify the images of energy sources in the picture below as either renewable or nonrenewable:



RENEWABLE ENERGY	NON-RENEWABLE ENERGY
B, D, E, F, G, H	A, C

B. Write **true** or **false** for each sentence below:

- i. Solar energy is a nonrenewable resource. False
- ii. Coal is a renewable resource because it can be made again quickly. False
- iii. Trees are a renewable resource because we can plant new trees. True

Question

18

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

From the above table choose the best thermal conductor.

Silver



Use the image above.

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

Trees, plants and soil have been cleared.

Explain how our energy resources affect the environment.

Burning fossil fuels causes air pollution.

Oil can pollute the waters if there is a spill at an oil rig.

Question	19
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A. Biomass energy comes from **Living** things like plants and trees.
(nonliving/living)
People burn **plants** to make biomass energy. (fossil fuel/plants)
Biomass energy is **Renewable** because we can grow more plants.
(renewable/nonrenewable)

True or False:

Biomass energy comes from the sun. **False**

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

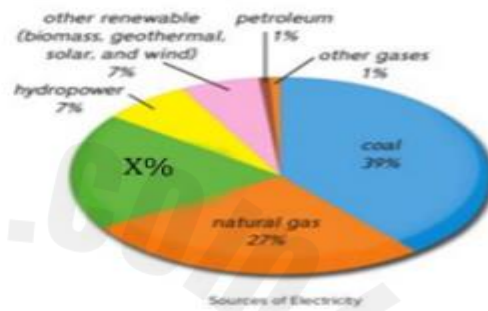
a. What is the percentage of (X%) nuclear energy in the image below.

$$1 + 39 + 27 + X + 7 + 7 = 100$$

$$81 + X = 100$$

$$X = 100 - 81$$

$$X = 19\%$$



b. Based on the "sources of electricity" pie chart, what is the total percentage of nonrenewable resources that are used to generate electricity?

$$1 + 39 + 27 + 19 = 86\%$$

Question	20
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A.



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

Radiation



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

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

