

الصف العاشر  
مذكرة تفاعلية

10



English

SEMESTER TWO

2024-2023



مذكرة تفاعلية

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## Vocabulary

Words	meaning	Word in context
Crude oil	النفط الخام	An oil refinery serves to make gasoline from <b>crude oil</b> .
Entirely	كلياً	A number of illnesses are <b>entirely</b> avoidable.
Finite	محدود/غير دائم	The earth's <b>finite</b> supply of natural resources.
fossil fuel	الوقود الحفري	Oil is a <b>fossil fuel</b> with a limited life-span and high oil prices are an irreversible and long-term trend.
fractional distillation	التقطير الجزئي	<b>Fractional distillation</b> is a process by which components in a chemical <u>mixture</u> are separated into different parts
Polymer	بوليمير (مركب كيميائي)	The scientist will combine molecules to create a synthetic <b>polymer</b> .
Polymer	تكرير/ تصفية	Preferably, the acrylic <b>polymer</b> is ethyl polyacrylate
Invisible	خفي- غير مرئي	In Harry Potter and the Sorcerer's Stone, Harry receives a magical cloak that makes him <b>invisible</b> .
megawatt	ميغاوات (وحدة قياس الطاقة)	The company plans to increase capacity to 521 <b>megawatts</b> by 1999.
Resolve	يحل- يجد حلاً	We should <b>resolve</b> our problems.
Spoil	يفسد- يتلف	You <b>spoiled</b> our party with loud songs.

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Actually	في الواقع-حقاً	Actually, I don't like him.
Appliance	جهاز- أداة	We need some <b>appliances</b> for our new flat.
Breakdown	عطل- توقف	The <b>breakdown</b> of the company's financials showed a significant loss in revenue.
Generate	يولد (الكهرباء)	This machine <b>generates</b> electricity from solar panels.
Last	يدوم- يستمر	Good relation <b>lasts</b> forever.
Motoring	قيادة السيارة	We spent the afternoon <b>motoring</b> around the lake in our little boat.
Strong	قوي	Sports make your body <b>strong</b> .
Asthma	الربو(ضيق في التنفس)	<b>Asthma</b> is a respiratory disease.
Congestion	ازدحام (مروري)	There is a <b>congestion</b> at mid-day.
Consult	يستشير	I feel sick, I should <b>consult</b> a doctor.
Diminish	ينقص-يصغر	The efficacy of chemical pesticides tends to <b>diminish</b> over time.
end up with	ينتهي بـ	It seems that we've <b>ended up with</b> the most boring tour guide on the planet. He's seriously putting me to sleep.
Government	حكومة	The <b>government</b> can declare war.
Hazardous	خطير/ محفوف بالمخاطر	The chemicals used in the manufacturing process are <b>hazardous</b> to the environment.
Irreversible	لا يمكن إلغاؤه أو تغييره	Some acts are <b>irreversible</b> like having a child because you can't return the baby.
Motorist	سائق	the reckless <b>motorist</b> zoomed through traffic.
Procure	يحصل- يكسب- ينجز	He <b>procured</b> a loan from the bank after submitting his application and documents.
Recently	حديثاً- مؤخرأ	The café was <b>recently</b> opened and hasn't picked

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		up much business yet.
self-employed	يعمل لحسابه	As a <b>self-employed</b> artist, I enjoy the flexibility of working from home.
Smog	ضباب دخاني	The <b>smog</b> from the factory was so thick that it could be seen from miles away.
Squander	بيدد-يسرف-يبذر	She <b>squandered</b> her talent by not practicing enough.
Waste	تبذير-إتلاف	Please don't <b>waste</b> the drinks by opening them and never drinking them.

**A: Choose the most suitable word that best completes each of the following sentences:**

1- It is very expensive to carry out the ..... process to make use of oil.

- crude oil   
 fossil fuel   
 refining   
 polymer

2- Unfortunately, our supplies of food and water are ..... We need more help.

- strong   
 hazardous   
 finite   
 invisible

3- Wind farms are able to ..... enough electricity for more than 2000 houses.

- generate   
 motor   
 last   
 refine

4- We must get ready my friends. Our trip to Dubai will ..... for about five days.

- generate   
 refine   
 last   
 resolve

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5- Our trip was a disaster. We had more than a ..... before reaching our destination.

- appliance     polymer     breakdown     distillation

6- Because the light went off, most of the food in the refrigerator had .....

- spoiled     invested     diminished     procured

7- Thank God. Most of the difficulties in the exam have been .....

- procured     resolved     spoiled     generated

8- Bacteria are ..... to the naked eyes, so we should use a microscope.

- invisible     strong     irreversible     hazardous

9- Many people believe that ..... will be replaced by solar energy.

- refining     fractional distillation     fossil fuel     polymer

10- The ..... of oil usually takes place in huge plants.

- polymer     crude oil     fossil fuel     refining

11- The ..... should find better solutions to the problem of unemployment.

- waste     motorist     smog     government

12- The new employment policy will ..... the number of jobless people.

- squander     diminish     consult     procure

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13- ..... is a respiratory disease that attacks the lungs.

- asthma       congestion       waste       motorist

14- Many people ..... their money on useless things.

- end up with       consult       squander       diminish

15- The ..... that forms in the air is a mixture of car fumes and fog.

- asthma       smog       government       congestion

**B: Fill in the spaces with the most suitable words from the list below:**

(entirely / finite / refining / fossil fuels / polymer / crude oil)

1- The dry branches were burnt entirely by fire.

2- Polymer is the basic material that is used for making plastic objects.

3- Huge machines extract crude oil from the ground and pump it in long pipes.

4- Because oil is a finite resource, we must find other sources of energy.

5- The use of oil and other fossil fuels will certainly increase air pollution

**C: Fill in the spaces with the correct words from the list:**

(spoil / invisible / resolve / megawatt)

1- If many countries join their efforts, they will resolve the problem of pollution.

2- megawatt is a unit used for measuring electricity.

3- Adding too much salt to any food will certainly spoil it.

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## Set book

### 1- Suggest some practical ways to save energy.

اقترح بعض الوسائل العملية للحفاظ على الطاقة

- sharing cars
- closing doors when A/C is on

غلق الأبواب عند تشغيل أجهزة التكييف - مشاركة السيارة-

### 2- What are the advantages of using renewable sources of power?

ما هي المميزات في استخدام المصادر المتجددة للوقود؟

- They cause less pollution.
- They are infinite.

انها مصادر دائمة -تحد من تلوث البيئة

### 3- Without oil life would be different. Explain.

بدون النفط لأصبحت الحياة مختلفة- وضح ذلك

- Life would be slower.
- Air would be cleaner

لأصبح الهواء أكثر نظافة - لأصبحت الحياة أكثر بطأً-

### 4- What would happen if the world's industry reduced its energy use?

ماذا يحدث إذا خفضت المصانع العالمية من استخدام الوقود؟

- It helps save oil.
- It can reduce pollution.

الحد من التلوث توفير الوقود

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## 5- The non-renewable (finite) sources of energy:

مصادر الطاقة الغير متجددة

They could finish. ممكن أن تنتهي

They provide enough energy temporarily. توفر طاقة كافية بشكل مؤقت

To be able to get them, pollution and environment destruction could be caused.

سهولة الحصول عليها، تسبب التلوث ودمار البيئة.

Examples: oil, natural gas. Fossil fuel.

مثال: البترول، الغاز الطبيعي، الوقود الحفري

## 6- The disadvantages of wind power: مساوئ طاقة الرياح

They spoil the countryside. تفسد مناطق الريف

## 7- How to save energy at home: كيفية توفير الطاقة في المنزل

We must switch off the lights when we leave the room.

يجب إطفاء المصابيح عند ترك الغرفة

We must switch and unplug all appliances when we are not using them.

يجب إطفاء الأجهزة وفصلها عن الكهرباء عند عدم الاستعمال

We must not leave our phones and laptops overcharge

لا يجب ترك الهواتف واجهزة اللاب توب في مصادر الكهرباء بعد اكتمال الشحن.

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## If sentences: conditional

## الجملة الشرطية باستخدام If

الجملة الشرطية تعتبر جملة مركبة مكونة من جزئين الجزء الأول مع الشرط مع If والجزء الثاني هو جملة جواب الشرط

A. Zero conditional الحالة الصفرية:

يستخدم للحديث عن الحقائق والعادات

If + present simple مضارع بسيط + present simple مضارع بسيط

ex: If you heat water to 100 degrees, it boils.

C. Second conditional الحالة الثانية:

نستخدم هذا النوع من الجمل الشرطية عند التحدث عن شيء مشروط حدوثه بشيء آخر قبله ولكن من الخيال وغير حقيقي.

If + past simple ماضي بسيط + would + V(inf) المصدر

ex: If I were the owner of this company, I would raise salaries.

B. First conditional الحالة الأولى:

نستخدم هذا النوع من الجمل الشرطية عند التحدث عن شيء سوف يحصل في المستقبل شرط تحقق شيء آخر قبله.

If + present simple مضارع بسيط + will + V(inf) المصدر

ex: If I need help, I'll call you.

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9. Water ..... if the temperature falls below zero.  
a. froze      b. freeze      c. will freeze      d. **freezes**
10. If he's angry, his face always ..... pale.  
a. become      b. **becomes**      c. became      d. has become
11. If you put your money in a savings account, you ..... ten per cent interest.  
a. got      b. **get**      c. is getting      d. gets
14. I drink water if I ..... thirsty.  
a. feels      b. **feel**      c. felt      d. have felt
15. The radio ..... if the batteries are flat.  
a. **does not work**      b. did not work  
c. do not work      d. not work
16. If he buys that expensive car, it ..... him much.  
a. costs      b. cost      c. **will cost**      d. would cost
17. If the weather ..... warm, we will go to the sea.  
a. **is**      b. was      c. are      d. were
18. Unless you pay the money, you ..... to jail.  
a. would go      b. went      c. **will go**      d. go
19. His teeth will become bad if he ..... much sweet.  
a. had eaten      b. **eats**      c. will eat      d. eat
20. He won't catch the train if he ..... early.  
a. **does not leave**      b. do not leave  
c. did not leave      d. had not left

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Read the following passage carefully, then answer the questions:

Heba had worked in nursing for many years. She was in charge of four other nurses and she was respected by each member of staff at the hospital. It was difficult and sometimes very stressful work. She was responsible for the health of a lot of people. However, she always felt happy when people recovered and finally went home again. She always found this very rewarding.

She worked such long hours that it was sometimes difficult to be sociable after work. She usually went home and watched a film on television with her family. She found this a good way to unwind. It was a Tuesday morning. Heba had started work very early that day and she was doing her regular check of the patients. She gave them their medicine and made sure that they were comfortable. Then she went to check a new patient. He was in a private room, separate from the other patients. He was a man who had been sent to the hospital the night before after a bad traffic accident.

Heba looked at the man, who was unconscious when he first arrived. Heba had seen him before. He was a famous actor who everybody in her family knew and liked. The doctor said that he had suffered a bad head injury from the crash. He was so ill that he would have to stay in hospital for many weeks. But something was very strange. Heba had seen him in a film the week before. In the film, he had to go to hospital after an accident, and he had later died. Heba didn't want **that** to happen in her hospital!

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**Q: Choose the correct answer from a, b, c & d:**

1. Why was the man who came to hospital unconscious?							
a	He had fallen asleep.	b	He was not alive.				
<b>c</b>	<b>He had had a bad accident.</b>	d	The nurse did not know.				
2. Why do you think that he was in a private room?							
a	He was very poor.	b	He had a dangerous disease.				
c	He didn't like other people.	<b>d</b>	<b>He was famous.</b>				
3. What was unusual about the actor coming to hospital?							
<b>a</b>	<b>The same thing had happened to him in a film.</b>	b	He had never been there before.				
c	He was never ill.	d	He usually had private doctors.				
4. Where does this text come from?							
a	a science magazine	b	a newspaper article				
c	a poem	<b>d</b>	<b>a story</b>				
5. What does the underlined word " <b>that</b> " refer to?							
<b>a</b>	<b>the actor dying</b>	b	Heba's job as a nurse				
c	what the doctor told her	d	other strange things				
6. What do you think the word " <b>unwind</b> " means?							
a	go to sleep	b	sit down	<b>c</b>	<b>relax</b>	d	make money



**Q- Translate the following into good English:**

التقطير الجزئي هي العملية التي يتم فيها فصل النفط إلى عدة أنواع.

**Fractional distillation is the process in which Oil is separated into a lot of kinds.**

هذا صحيح. ويمكن استخدامها في عدة أغراض.

**That's right. It can also be used for different purposes.**

## Writing

**"Scientists are looking for alternative sources of energy". Plan and write an essay of 4 paragraphs (12 sentences – 140 words) persuading people around you to use alternative sources of energy and to save energy used everywhere.**

### Outline

Introduction:

.....

Body:

Paragraph 1

.....

Paragraph 2

.....

Conclusion:

.....

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The main reason why we are searching for an alternate source of energy is because fossil fuels are non-renewable sources of energy which means they are not available in abundant quantities and cannot be replenished. Fossil fuels will continue to get exhausted if their consumption is not controlled. Therefore, it is far better to switch to alternate sources of energy in order to apply the concept of sustainable development.

Geothermal energy is the energy which is obtained from the earth. This energy can be obtained from the hot spots that are formed when the molten rocks present at the core of the earth are pushed towards the earth's crust. Hot springs are commonly used for the production of electricity in the geothermal power plants.

Following are the example sources of energy that are renewable:

**Wind:** Wind energy is obtained from the air which is blowing at a very high speed. This energy is trapped using windmills in order to generate electricity. Blowing of air is dependent on the uneven heating of the earth. Since the heating of the earth is never ending, wind availability will also be forever.

**Sun:** The energy obtained from the sun is called solar energy. It is produced by the fusion of hydrogen into helium atoms, fusion of helium into other heavy metals and it continues further. A considerable amount of hydrogen and helium is available on the sun which will never be exhausted. Hence, solar energy is also a renewable source of energy.

Fossil fuels are obtained from the earth's crust after several years as they are the remains of the dead plants and animals. They are similar to coal and petroleum and are readily available for use. These are non-renewable sources of energy i.e. cannot be replenished. Whereas solar energy or sun energy is abundant in nature and can be replenished.

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لطلب المذكرة **كاملة** مع الحلول  
ونماذج اختبارات تقويمية ونهاية  
مذكرات النجاح



6 5 5 9 8 8 2 4

