
It's normal to feel a bit blue from time to time. However, studies show that negative emotions can harm the body.

Anger can also have harmful effects on health. When you see red, your blood pressure is raised and you can suffer from headaches, sleep problems and digestive problems. However, what about positive feelings and attitudes? Until recently, scientists had not investigated whether there is a link between positive feelings and good health

Then, in a study that had followed more than 6,000 men and women aged 25 to 74 for 20 years, researchers found that positivity reduced the risk of heart disease. Other factors influencing health included a supportive network of family and friends, and an optimistic outlook on life.

The study has been controversial. Some health professionals believe that bad lifestyle choices, such as smoking or lack of exercise, are the reason for heart disease and other illnesses, and not an individual's attitude. The researchers appreciate that not everyone's personal circumstances and environment make it possible to live without worry. However, they believe that if we teach children to develop positive thinking, and to 'bounce back' after a setback, these qualities will improve their overall health in the future.

- 1- It is believed that bad lifestyle choices are the reasons of serious diseases. Write down two of these choices.
- 2- Quote the sentence which indicates that it is natural for people to feel sad.
- 3- The author states that there are many symptoms of anger. Write down two of these symptoms.
- 4- What does the pronoun “**they**” refer to?
- 5- What does the word “**optimistic**” mean?
- 6- People feel stressed when they go under some situations. Think of this statement suggesting three situations make you stressed.
- 7- Happier people are healthier. Think of this statement and in two sentences write your point of view.

Scientists have already developed brain implants that improve vision or allow disabled people to use their thoughts in order to control prosthetic limbs like arms, legs or hands, or operate a wheel chair. Scientists hope to develop a similar device to help people who have been affected by brain damage, which could be caused by dementia, a stroke or other brain injuries.

A new cancer drug is being trialled in Plymouth, UK, which doctors hope will extend the lives of cancer patients and reduce their symptoms overnight. It is taken as a single pill every morning, and so far, patients have shown none of the usual side effects such as the sickness and hair loss that are experienced when undergoing other forms of cancer treatment. The new

treatment works by blocking a protein which causes cancerous cells to grow. It will improve patients' life expectancy and quality of life much more quickly than any other treatment.

The patients were interviewed a year after starting the treatment and are fit and well, saying that they are definitely going to continue the trial. **They** have every reason to believe the new drug is going to work. Doctors at Plymouth Hospital hope that it will help patients from all over the world.

- A. 1- There are many causes of brain damage. Write down these two causes.
2- Quote the sentence which indicates that patients are convinced with the new cancer drug.
3- The author states that there are many harmful effects for other cancer treatments. Write down two of these effects.
4- What does the pronoun "**They**" refer to?
5- What does the word "**drug**" mean?
6- People who have cancer need our support. Think of this statement suggesting three ways to support them.
7- There are many implications will be if people live longer. Think of this statement and in two sentences write your point of view.
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The King Hussein Cancer Center (KHCC) is Jordan's only comprehensive cancer treatment centre. It treats both adult and paediatric patients. As the population of the country increases, more and more families will rely on the hospital for cancer treatment. Patients come not only from Jordan but also from other countries in the region, as **they** are attracted by its excellent reputation, lower costs, and cultural and language similarities.

In order to cope with the increase in demand for treatment, the KHCC has begun an expansion programme. Building started in 2011 CE. The hospital will have more than doubled its capacity by 2016 CE, increasing space for new cancer cases from 3,500 per year to 9,000.

By then, they will have added 182 extra beds, along with bigger units for different departments, including radiotherapy. New adult and paediatric wards will have opened. Additionally, they will have built a special ten-floor outpatients' building, with an education centre which will include teaching rooms and a library.

Many cancer patients live far away from Amman, where the KHCC is located, and the journey to and from the hospital is often difficult. For this reason, there are plans to extend cancer care facilities to other parts of Jordan. In the near future, King Abdullah University Hospital in Irbid hopes to set up radiotherapy machines, so that cancer patients from northern Jordan will not have to go to Amman for radiotherapy treatment.

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- 1- There are many facilities would be added to the King Hussein Cancer Center. Write down two of these changes.
 - 2- Patients from Jordan and other countries come to the King Hussein Cancer Center for many reasons. Write down two of these reasons.
 - 3- Write down the sentence which shows that the King Hussein Cancer Center is the only one of its kind in Jordan.
 - 4- Find a word from the text which means " **making something bigger** "
 - 5- what does the underlined word " **they** " in the first paragraph refers to?
 - 6- Wherever the art of Medicine is loved, there is also a love of Humanity. Think of this statement, and in two sentences write down your point of view.
 - 7- There are many ways in which people can help cancer patients. Think of this statement suggesting three ways to support cancer patients.
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Adnan, a professional craftsman, is at work in his studio. With the oven at 1,400 degrees Centigrade, 20 hours a day, a glass-making studio isn't the most comfortable place to be. For Adnan, however, this is more than just a job.

'My family has been blowing glass for around 700 years,' he says. 'My father learnt the craft from his father, and he taught it to me when I was a child.'

Adnan is passionate about this ancient craft, and regularly gives demonstrations and workshops to teach young people the skills of glassblowing.

He strongly believes that unless we interest more young people in learning the craft, nobody will know how to make hand-blown glass in the future. 'These days, young people don't always want to follow their parents' professions, and, added to that, glassblowing isn't an easy job. **It** has to be an obsession, as it is for me!'

Adnan still uses the technique that was first developed by the Phoenicians some 2,000 years ago. First, he pushes a thin metal blowpipe into the boiling hot furnace. Secondly, he lifts out the liquid sand and lays it on a metal plate. After that, he blows the red-hot glass until it becomes more flexible. Then he pulls and bends the glass into shape. He has to work extremely quickly because the liquid sand is already solidifying into glass. Adnan is making a delicate swan. Through the semi-opaque glass, you can see fine lines of turquoise, green and blue.

'The sand gives us transparent, or "white", glass,' Adnan explains. 'We get this beautiful dark, cobalt blue by adding the metal cobalt to the melted glass. Then, this blue becomes a lighter, sea-green turquoise after adding copper. Finally, we decorate the glass by hand.'

- 1- Adnan mentions many steps for making glass. Write down two of these steps.
- 2- Write down the sentence which shows that Adnan still uses the old methods in making glass.
- 3- The sand can give two form of glass. Write down these two forms.
- 4- Find a word in the text which means (**clear or thin enough to see through**).

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- 5- What does the underlined pronoun (**It**) refer to?
- 6- Young people should be encouraged to learn handicrafts. Think of this statement suggesting three ways to encourage people to learn handicrafts.
- 7- The country should keep producing traditional crafts. Think of this statement and in two sentences write your point of view.

Answer:

It is important for a country to keep producing handicrafts. Handicrafts are a part of that country's culture, and a part of its cultural identity. It is worth preserving since it contributes to this cultural identity, and reminds people of their artistic and social heritage.

Literature Spot:

Read the following stanza from *I remember I remember* carefully, then answer the question that follows:

It was a childish ignorance,
But now 'tis little joy
To know I'm farther off from heav'n
Than when I was a boy.

Why do you think the poet might be "farther off from heav'n" now?

Read the following stanza from *I remember I remember* carefully, then answer the question that follows:

" I used to think their slender tops
Were close against the sky:
It was a childish ignorance,
But now 'tis little joy."

What does the underlined phrase "childish ignorance" mean?

Vocabulary:

- A. Choose the suitable item from those given in the box to complete each the following sentences. There are more words than you need. Write the answers down in your ANSWER BOOKLET. (8 points)**

make migraine reputation sculptures get

- 1- If you have, the best way is to take some medicine.
- 2- The workers their best efforts to get the work done.
- 3- If you go to the museum, you can see many..... made of solid rocks.
- 4- Petra has a.....as a fascinating place to visit.

inspire , migraine , programs , calculation , ailments

- 1- Headaches and colds are common, especially in winter.
- 2- Modern computers can run a lot of at the same time .
- 3- The Olympic Games often young people to take up a sport.
- 4- I need to make a few before I decide how much to spend.

monitor alien prosthetic equipment look around

- 1- I've never visited that museum. I'd like to go in and
- 2- Athletes with legs and arms can take part in the Paralympics.
- 3- When my grandmother had a heart attack, the doctors attached a special to her chest.
- 4- Before you go climbing, you have to go to a special shop to buy the needed for climbing.

email exchange meet up helmet whiteboard

- 1- Teachers use the to show websites.
- 2- If you're free at the weekend, let's and go shopping together.
- 3- When you ride a bike, you should always wear a

ailments headlines , immunization , settle down , acupuncture

1. I always look at the newspaperbut I don't always read the articles.
2. When I graduate from university, I would like to buy a house and

3. Many serious diseases can be prevented by,which helps the body to build antibodies
4. Headaches and colds are common especially in winter.

viable , alien , complementary , skeptical , conventional

1. I don't really believe that story - I'm very.....
2. Another way of saying that something could be successful is to say it is.....
3. If something seems very strange, we sometimes say it is
4. medicine can be used to immunise people.

Physician , red-handed , sustainability , major , apparatus

1. Luckily, the police arrived and the thief was caught.
2. The nature reserve uses recycled water, which helps the of the environment
3. Professor Badari, aged 67, is the hospital's leadingspecialising in cancer care.
4. After our Science lesson in the laboratory, we always help the teacher to put all the away.\

Visual , Ongoing , contemporary , dehydration , concentrate

1. We went to a concert yesterday. The music was written by a new young composer, so it was
2. Jordan Fall Festival is anfestival . It usually happens in September
3. Photography and painting are two examples of the arts.
4. In hot weather our bodies are in danger of.....

A. Study the following sentence and answer the question that follows. Write the answer down in your BOOKLET.

The news came out of the blue, I was shocked.

Replace the underlined phrasal verb with its meaning.

B. Study the following sentence and answer the question that follows. Write the answer down in your BOOKLET.

People shouldn't see red, when they hear bad news.

Replace the underlined phrasal verb with its meaning.

C. You can wear your watch when you go swimming if it's **waterproof**.

What does the suffix (proof) mean?

D. Complete the sentences with the correct form of the words in the box.

- 1- Petra is an important site. (archaeology)
- 2- We expect a good standard of for our children at these schools. (educate)
- 3- In our exam, we had to a text from Arabic into English. (translation)
- 4- They are going to a new air conditioning unit in our flat. (install)
- 5- Thank you for your help, I really it. (appreciation)
- 6- Have you seen Nasser's of postcards? He's got hundreds! (collect)

A. Correct the verbs between brackets

- 1- Children often computers better than their parents.(use)
2. I come from Ajloun, but Iin Irbid for a few months. (stay)
3. Since 1943, there revolution in computer technology. (be)
4. Nadia has her homework for two hours! (be, do)
5. During the early 2000s, people..... millions of phones. (buy)
6. I an email when my laptop switched itself off. (write)
7. Before Mohammad started his work, he his emails. (check)
8. By the time the bus arrived, we had for an hour. (be, wait)
9. I think one day soon we mobiles to our skin! (attach)
10. It is too cold and the sky is black! It very soon. (rain)
11. Don't phone me at seven. I will dinner with my family. (have)
12. We're late! By the time we get to the station, the train will (go)
13. If you computer games all day, you won't have time to study. (play)
14. If Ali his own computer, he wouldn't need to use his friend's computer. (have)
15. My friendjustthe biggest prize. (win)
16. If the suncloser to the earth, the earth becomes hotter. (get)
17. Many Tawjihi studentsto universities every year. (go)
18. Lina hasa French course for two months. (be take)

19. After the teacher the paper, he gave us advice about how to study. (correct)

20. Ali will..... the university in three weeks. (join)

B. Rewrite the following sentences so that the new one has a similar meaning to the one before it.

1- Rami repaired the car two weeks ago.

The car.....

2- The government will construct a new road near my house.

A new road.....

3- Somebody has drunk all the water in the fridge.

All the water.....

4- "I didn't go to the library."

Rashed said that

5- "I'll do the washing up later.

Rana said that.....

6- "I don't like eating chocolate".

Rasha said that.....

7- "Did you feel cold?"

He asked me.....

8- I asked a specialist to mend our house.

I

9- I think you should enrich your vocabs.

If

10- You are not allowed to smoke in schools.

You.....

11- Hadeel started her work at the bank from 2012, and she's still working.

Hadeel

12-It is normal for me now to live in such a hot weather.

I.....

13- It is normal for me now to get up early.

I

14-Perhaps Rashid's phone is broken.

Rashid's phone

15- Huda won the prize for Art last year.

The person

16- The Olympic games were held in London in 2012.

The event

17- It's normal for me now to speak English at class.

I'm

18- I intend to buy a new car next year.

I'm

19- You are not allowed to use a pencil in the exam.

You.....

20- Shadi did his homework, then he showed it to the teacher.

Before Shadi.....

21- I think you should study hard for tomorrow's exam.

If I.....

22- I asked the painter to paint my house last week.

I

23- Somebody has broken my window.

My window.....

24- "I'm having lunch with my parents."

She said that

25- "I've been in France three times this year."

He said that.....

C. Choose the suitable item from those given to complete each of the following sentences and write it down in your ANSWER BOOKLET.

1- Manal has been in her roomthis morning. (for since from)

2- Youstudy hard. Listen to your parent's advice. (should might can)

3- The sky is black. It rain. (will is going to is)

4- I live inbuilding which my father bought last year. (a an the)

- 5- The book I read is interesting. (who which whose)
- 6- If the sun rises, the weatherhot. (become becomes became)
- 7- Rana didn't wash here clothes. She had them (wash washes washed)

D. The following sentences are in British English, rewrite them in American English, and rewrite the answers down in your ANSWER BOOKLETS.

- 1- Have you ever been to your favourite place?
.....
- 2- Would you like to have a rest before travelling?
.....

E. Study the following sentence and answer the question that follows.

Driverless cars would make travelling simple. **Therefore**, if they lost control, they could be very dangerous.

What is the function of using therefore in the above sentence?

EDITING

A. Imagine you are an editor in the Jordan Times. You are asked to edit the following lines that have four mistakes (one grammar mistake, one punctuation mistake and two spelling mistakes). Find out these four mistakes and correct them. Write the correct answers down in your ANSWER BOOKLET.

The sand gives us transbarent, or “white”, glass,’ Adnan explains. ‘We get this beautiful dark, cobalt blue by adding the metal cobalt to the melted glass, Then, this blue becomes a lighter, sea-green turquoise after adding copper. Finally, we decoreted the glass by hand.’

B. GUIDED WRITING

Read the information bellow, and then in your ANSWER BOOKLETE, write a biography using all the given notes below about Jabir ibn Hayyan . Use the appropriate linking words.

Name: Jabir ibn Hayyan

Date : (born 722 CE, died 815 CE)

Professions: chemist

Achievements: he is known as the founder of chemistry. He began the production of sulphuric acid and invented scales that could weigh very light things.

Read the information below, and write two sentences about how to keep brain active. Use appropriate linking words.

- Learn a new language
- Play chess
- Do puzzles
- Do research

Read the information below, and write two sentences about the advantages and disadvantages of doing voluntary work while you are still a student. Use appropriate linking words.

Advantages	Disadvantages
<ul style="list-style-type: none"> - practical experience - future career choices - interviews and your curriculum vitae 	<ul style="list-style-type: none"> - hard work - less time for studying - waste money

C. FREE WRITING

In your ANSWER BOOKLET, write a composition of about 120 words on ONE of the following:

- 1- Healthcare is an essential element in forming the strong community. Write an essay about the health in Jordan.
- 2- Write a four-paragraph report on the education system in Jordan. Include information about school starting and leaving ages, grades, school subjects, hours and further education.

Answers

- 1- Smoking or lack of exercise.
- 2- It's normal to feel blue from time to time.
- 3- Your blood pressure is raised and you can suffer from headaches.
- 4- The researchers.
- 5- Believing that good things will happen in the future.
- 6- Open
- 7- Open

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- 1- Dementia , a stroke.
 - 2- They have every reason to believe the new drug is going to work.
 - 3- Sickness and hair loss.
 - 4- Medicine.
 - 5- Open.
 - 6- Open.

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- 1- Bigger units for different departments , new paediatric wards.
 - 2- Lower costs , excellent reputation.
 - 3- The king Hussein Cancer Center (HKCC) is Jordan's only comprehensive cancer treatment center.
 - 4- Expansion.
 - 5- Patients from other countries.
 - 6- Open.
 - 7- Open.

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- 1- He pushes a thin metal blowpipe into the boiling hot furnace, he lifts out the liquid sand and lays it on a metal plate.
 - 2- Adnan still uses the technique that was first developed by the Phoenicians some 2,000 years ago.
 - 3- Transparent or white glass.
 - 4- Transparent.
 - 5- Glassblowing.
 - 6- Open.

Literature Spot:

- 1- Because he is adult now and he lost his childish ignorance.
- 2- The poet was ignorant about the size of the world.

Vocabulary:

- 1- Migraine 2- make 3- sculptures 4- reputation.
- 1- Ailments 2- programs 3- inspire 4- calculations.
- 1- Look around 2- prosthetic 3- monitor 4 equipment.
- 1- Whiteboard 2- meet up 3- helmet.

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- 1- Sceptical 2- viable 3- alien 4- conventional.
1- Red-handed 2- sustainability 3- physician 4- apparatus.
1- Contemporary 2- ongoing 3- visual 4- dehydration.
-

- A- Unexpectedly.
B- To be angry.
C- Against.
-

- D- 1- archaeological 2- education 3- translate 4- install 5- appreciate 6- collection.
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- A- 1- use 2- am staying 3- has been 4- been doing 5- were using 6- was writing 7- had checked
8- been waiting 9- will attach 10- is going to rain 11- be having 12- have gone 13- play 14- had 15- has won 16- gets 17- go 18- been taking 19- had corrected 20- be joining.

- B-
- 1- The car was repaired.
 - 2- will be constructed near my house.
 - 3- All the water in the fridge has been drunk.
 - 4- he hadn't gone to the library.
 - 5- he would do the washing up later.
 - 6- she didn't like eating chocolate.
 - 7- If I had felt cold.
 - 8- I had our house mended.
 - 9- If I were you, I would enrich my vocabs.
 - 10- You can't smoke in schools.
 - 11- has been working at the bank for 5 years.
 - 12- am used to live in such a hot weather.
 - 13- am used to getting up early.
 - 14- Rashid's phone might be broken.
 - 15- who won the prize for Art last year was Huda.
 - 16- which was held in London in 2012 were the Olympic Games.
 - 17- used to speaking English at class.
 - 18- planning to buy a new car next year.
 - 19- mustn't use a pencil in the exam.
 - 20- showed his homework to the teacher, he had done it.
 - 21- were you, I would study hard for tomorrow's exam.
 - 22- had the house painted last week.

23- Has been broken.

24- She was having lunch with her parents.

25- He had been in France three times that year.

C- 1- since 2- should 3- is going to 4- the 5- which 6- becomes 7- washed.

D- 1- Did you go to your favorite place?

2- Would you like to take a rest before traveling?

E- Indicating consequence.

Editing:

1- transparent 2- glass. Then 3- decorate.