


المادة : لغة إنكليزية الشهادة : المتوسطة نموذج : رقم (٣) المدة : ساعتان	الهيئة الأكاديمية المشتركة قسم: اللغة الإنكليزية وآدابها	 المركز التربوي للبحوث والإنماء
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نموذج مسابقة (يراعي تعليق الدروس والتوصيف المعدل للعام الدراسي ٢٠١٦-٢٠١٧ وحتى صدور المناهج المطورة)

Part One: Reading Comprehension

(Score: 24/40)

Read the selection below about why ocean water is salty and then answer the questions that follow.

Scientific Discovery of Ocean Salinity

1 Scientific discoveries continuously try to explain the ultimate mystery of nature. Scientists such as Issac Newton, who is considered the greatest scientist of all time, could explain why things fall down and why the planets orbit around the sun through his law of gravity. Other scientists also could explain other mysteries of nature such as why it rains or snows and why ocean water is salty.

2 Through scientific research, scientists could explain that the ocean contains a soup of different minerals found across the surface of the earth, all dissolved into the water. The most common mineral dissolved in ocean water is salt. Salinity is the saltiness or the proportion of dissolved salt to pure water, usually measured in percentage per thousand. Salinity is an important factor in determining many aspects of the chemistry of natural water.

3 Salinity is an ecological factor of considerable importance. It influences the types of **organisms** that live in a body of water or what species can exist in aquatic environments.

4 Analyzing the salinity of ocean water shows that it varies only slightly from place to place. Nevertheless, some of these small changes are important. There are three basic processes that cause a change in oceanic salinity. One of these is the **reduction** of water from the ocean by means of evaporation or **conversion** of liquid water to water vapor. In this manner, the salinity is increased since the salt stays behind. If this is carried to the extreme, of course, white crystals of salt would be left behind. This, by the way, is how much of the table salt we use is actually obtained.

5 The opposite of evaporation is precipitation, such as rain, by which water is added to the ocean. Here, the ocean is being diluted so that the salinity is decreased. This may occur in areas of high rainfall or in coastal regions where rivers flow into the ocean. The freshwater added at the surface reduces the ocean salinity and so makes the seawater less dense.

6 Normally, in tropical regions where the sun is very strong, the ocean salinity is somewhat higher than it is in other parts of the world where there is not as much evaporation. Similarly, in coastal regions where rivers dilute the sea, salinity is somewhat lower than in other oceanic areas.

7 A third process by which water salinity may be altered is associated with the **formation** and melting of sea ice. When seawater is frozen, the dissolved materials are left behind. In this manner, seawater directly beneath freshly formed sea ice has a higher salinity than it did before the ice appeared. Of course, when this ice melts, it will decrease the salinity of the surrounding water.

8 In the Weddell Sea, on the eastern side of Antarctica, the densest water in oceans is formed as a result of this freezing process, which increases the salinity of cold water. This heavy water sinks and is found in the deeper **portions** of the oceans of the world.

Questions:

A- Answer questions 1 to 3 in complete sentences using your own words.

- 1- According to paragraph 6, in which regions do the oceans generally have more salt? Explain why. **(Score:02)**
- 2- According to the selection, what processes decrease ocean salinity? **(Score :03)**
- 3- Based on the selection, what does each of the following underlined pronouns refer to? **(Score: 02)**
a- it (Paragraph 6) b- it (Paragraph 7)
- 4- Which of the following is NOT a result of the formation of ocean ice? **(Score: 01)**
 - The salt remains in the water.
 - Water salinity decreases.
 - The water becomes denser.

B- Refer to the selection and then complete the following sentences. **(Score: 02)**

- 1- The writer mentions the Weddell Sea to give an example of -----
- 2- Table salt is mostly obtained from -----

C- The reading selection has eight paragraphs (1→8). Each of the following extracts (A and B) is the correct part that completes ONE paragraph in the selection .Read extracts A and B carefully and then choose from paragraphs (1→8) the one that correctly fits with each extract. **(Score:02)**

Extract (A): *Thus, salinity is controlled by a balance between water removed by evaporation and freshwater added by rivers and rain. That is why evaporation increases salinity while precipitation and flow of rivers decrease it.*

Extract (B): *Salmon and sea trout are good examples of this as they migrate from sea to freshwater in their life cycle. As well, salinity influences the kinds of plants that will grow either in a water body or on land fed by water.*

D- Use contextual clues to figure out the meaning of each word in the box below. Then fill in the blanks with the correct words to complete the following sentences. **(Score: 04)**

organisms (Paragraph 3)	reduction (Paragraph 4)
conversion (Paragraph 4)	formation (Paragraph 7)
portions (Paragraph 8)	

- 1- According to scientists, the survival of countless marine ----- will be affected by any change in the ocean's temperature due to global warming.
- 2- The ----- of the heating system in our factories from oil to natural gas has been an expensive process.
- 3- Because salt increases blood pressure, the doctor said that the-----in the amount of salt in the patient’s diet lowers his blood pressure.
- 4- Science explains the-----of clouds as the rising water vapor that condenses into small water droplets which make up the clouds.

E- In each of the following sentences, there is ONE grammatical error. Identify the error and then correct it. (Score: 04)

- 1- She said she will leave the country the following day.
- 2- These are the students whom I told you about them.
- 3- If I had my cellphone yesterday, I would have made a call.
- 4- They all wish she traveled last semester.

F- Rewrite the following sentences, starting each as indicated, without changing the meaning. (Score: 04)

- 1- “The game is next week, and the players are very well prepared”, said the coach.
The coach said.....
- 2- The manager rarely calls for a meeting without informing the employees ahead of time.
Rarely.....

Part Two: Writing

(Score: 16/40)

Choose ONE of the following prompts:

Prompt (A): Read the following statement from an article about natural resources.

According to scientists, the ocean is the Earth's most valuable natural resource of fish and minerals. It is considered an unlimited supply of seafood, trade and transport. Yet, the constant growth in the demands for food and trade threatens the survival of fish. Scientists believe that the decline in the natural resources of fish has negative effects on the health, security and way of life of communities.

Make an outline and then write an essay in which you explain the above statement. As you develop your essay, refer to the negative effects of the decline in the natural resources of fish on health, trade and people’s living and then give your suggestions to save this natural resource.

In your essay, provide a thesis statement in the introduction, a topic sentence in each body paragraph and support the main idea with relevant, specific and adequate details. Give examples drawn from your reading, experience or observation. Your essay should be between 150-200 words with an appropriate title. Revise and proofread your essay.


Prompt (B): Read the following quotation about great scientists and inventors.

“Great scientists and inventors became great for a reason- they either knew the secrets of nature or found solutions to mankind’s problems.”

Based on the quotation above, write a narrative essay about a scientist or someone you heard about who succeeded in discovering a secret of nature or who invented a product or a device that was helpful to people. As you develop your essay, describe the scientist’s discovery or invention, the way the scientist discovered or invented it and the problems it could solve for mankind. Copy and fill in the chart below and then write the essay. Your essay should be between 150-200 words with an appropriate title. Revise and proofread your essay.

1	Title	
2	Setting	
3	Characters	
4	Events	
5	Resolution	

Your essay will be evaluated based on ideas and organization (Score: 05), language and style (Score: 05), outline /chart and title (Score: 04), tidiness and handwriting (Score: 02)

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أسس التصحيح (تراعي تعليق الدروس والتوصيف المعدل للعام الدراسي ٢٠١٦-٢٠١٧ وحتى صدور المناهج المطورة)

A-

- 1- Oceans in tropical areas have more salt because the sun is very strong and evaporation is very high.
- 2- Salinity decreases with precipitation of rain water, melting of frozen seawater and flow of freshwater from rivers into the ocean.
- 3- a-“it” in paragraph 6 refers to ocean salinity.
b- it” in paragraph 7 refers to seawater.
- 4- Water salinity decreases.

B-

- 1- The author mentions the Weddell Sea to give an example of cold-water salinity.
- 2- Table salt is mostly obtained from white crystals of extreme ocean salinity.

- C-** Extract (A) is the correct part that completes paragraph 5.
Extract (B) is the correct part that completes paragraph 3.

- D-**
- 1- organisms
 - 2- conversion
 - 3- reduction
 - 4- formation

E-

- 1- will → would
- 2- about them → about (delete “them”)
- 3- had → had had
- 4- traveled → had traveled

F-

- 1- The coach said that the game was the following week, and the players were very well prepared.
- 2- Rarely does the manager call for a meeting without informing the employees ahead of time.