ART I: ACCESS TO INFORMATION FROM WRITTEN TEXTS (70 points)

פרק ראשון: הבנת הנקרא (70 נקודות) וلفصل الأوّل: فهم المقروء (70 درجة) 9-1 קרא את הקטע שלפניך, וענה על השאלות 9-1. וقرأ القطعة التي أمامك، ثمّ أجب عن الأسئلة ead the article below and then answer questions 1-9.

## HOW SCIENCE IS TRYING TO HELP US EAT BETTER

Americans have been eating a lot more salt in the last 30 years. According to an article in *The Atlantic* magazine, food companies are partly responsible for this increase.

In 2007, the Campbell Soup Company tried to make a change. It started using less salt in its soups to make them healthier. However, the public wasn't happy with this change. By July 2011, sales had decreased so much that the company had to put the salt back into its soups.

So how can companies make their products healthier without losing customers? Some researchers think the answer might be in changing the way food smells. Smells can improve the way food tastes to us. That is why researchers are developing 'phantom aromas'. These are aromas that make us think we are tasting flavors that are not really there. For example, in one 2012 study, the aroma of beef was added to a salt-free soup. Over 60% of the participants who tasted the soup believed there was salt in it.

"Using phantom aromas won't make it possible for food companies to remove all of the salt from their food, but it's a good start," says Robert Sobel, the scientist who invented the term 'phantom aroma'. Sobel has been researching phantom aromas for the last five years and has already succeeded in removing 10% of the salt in food like potato chips and soups. Some researchers believe that by using other techniques together with phantom aromas, they could decrease the use of salt by more than 35%.

However, food expert Michael White claims that adding artificial smells does not solve the problem at all. He believes that phantom aromas just add to a larger problem. American food already has huge amounts of artificial ingredients in it.

<u>'סה א'</u>	<u>016, גר</u>	אנגלית <u>, קיץ תשע"ו, מס' 382</u> -	- 3 -
مات . Ansv	التعلي wer q	أجب بالإنجليزيّة عن الأسئلة 1 القطعة.  القطعة. عن الأسئلة 1 وَ 3 وَ 7 وَ8 وَ 9 مَ الإسئلة الماقية، الصحيحة. في الأسئلة الباقية، أجب حسب (70 درجة)  ( 70 درجة )  uestions 1-9 in English according and 9, circle the number of the	-
ques	tions,	follow the instructions.	
1.	What i) ii) iii) iv)	is the main idea of lines 1-3? There he the number of articles about food the amount of salt Americans use the number of food companies in Americans eat	
2.	How	did the Campbell Soup Company kno	w that people didn't like the
		ge? (lines 4-7)	* ^
	ANSV	VER:	***************************************
	******		(8 points)
3.	What	do we learn about phantom aromas fr	rom lines 8-14?
	i)	They can make our food taste better.	
	ii)	They have been used for many years.	•
	111)	They can make us eat too much salt.	4
	iv)	They make us think salt is good for u	s. (8 points)
4.	Why	did many of the participants in the 2012 s	study think there was salt
	in the	soup? (lines 8-14)	
	ANS	WER:	***************************************
	******	***************************************	

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,	т					
'e	Kobe	Robert Sobel says that using phantom aromas is "a good start." (line 16)				
	A go	A good start to what? (lines 15-21)				
	ANS	ANSWER:				
	*******					
			(8 points)			
	Wha	t is ONE thing Robert Sobel did? (lines 15-21)				
	ANSWER:					
			(8 points)			
	Wha	What do we learn about the "other techniques" mentioned in line 20?				
	(lines 15-21)					
	i)	They are better than phantom aromas.	and a constraint of the constr			
	ii)	They may work best with phantom aromas.				
	iii)	They can decrease the use of salt by 10%.				
	iv)	They were invented by Robert Sobel.	(7 points)			
	ŕ	•	(7 points)			
i.	Wha	What does Michael White think the real problem is? (lines 22-24)				
	i)	Phantom aromas make food taste bad.				
	ii)	There are already too many artificial ingredients in food.	-			
	iii)	Americans will continue to add salt to their food.				
	iv)	People will not buy food with phantom aromas.	(8 points)			
l <sub>e.</sub>	The main subject of the article is (-).					
	i)	why people have changed the way they eat				
	ii)	why food companies lose customers				
	iii)	how to convince people to buy American food				
	iv)	how researchers can help food companies	(0			
			(8 points)			
			and the second s			
	/ המשך בעמוד 5/					

ART I: ACCESS TO INFORMATION FROM WRITTEN TEXTS (70 points)

פרק ראשון: הבנת הנקרא (70 נקודות) וلفصل الأوّل: فهم المقروء (70 درجة) 9-1 קרא את הקטע שלפניך, וענה על השאלות 9-1. וقرأ القطعة التي أمامك، ثمّ أجب عن الأسئلة ead the article below and then answer questions 1-9.

## HOW SCIENCE IS TRYING TO HELP US EAT BETTER

Americans have been eating a lot more salt in the last 30 years. According to an article in *The Atlantic* magazine, food companies are partly responsible for this increase.

In 2007, the Campbell Soup Company tried to make a change. It started using less salt in its soups to make them healthier. However, the public wasn't happy with this change. By July 2011, sales had decreased so much that the company had to put the salt back into its soups.

So how can companies make their products healthier without losing customers? Some researchers think the answer might be in changing the way food smells. Smells can improve the way food tastes to us. That is why researchers are developing 'phantom aromas'. These are aromas that make us think we are tasting flavors that are not really there. For example, in one 2012 study, the aroma of beef was added to a salt-free soup. Over 60% of the participants who tasted the soup believed there was salt in it.

"Using phantom aromas won't make it possible for food companies to remove all of the salt from their food, but it's a good start," says Robert Sobel, the scientist who invented the term 'phantom aroma'. Sobel has been researching phantom aromas for the last five years and has already succeeded in removing 10% of the salt in food like potato chips and soups. Some researchers believe that by using other techniques together with phantom aromas, they could decrease the use of salt by more than 35%.

However, food expert Michael White claims that adding artificial smells does not solve the problem at all. He believes that phantom aromas just add to a larger problem. American food already has huge amounts of artificial ingredients in it.

<u>אנגלית, קיץ תשע"ו, מס' 016382, גרסה א</u>
أجب بالإنجليزيّة عن الاسئلة 9-1، حسب
القطعة.
في الأسئلة 1 وَ 3 وَ 7 وَ8 وَ 9 ضع دائرة
حول رقم الإِجابة الصحيحة.
في الأسئلة الباقية، أجب حسب التعليمات
(أ70 درجة)
Answer questions 1-9 in English
, 3, 7, 8 and 9, circle the number
mostions follow the instructions

- 3 -

ענה ב<u>אנגלית</u> על השאלות 9-1, על פי הקטע. בשאלות 7, 3, 1, 1 ר9 הקף במעגל את המספר של התשובה הנכונה. בשאר השאלות ענה לפי ההוראות. (70 נקודות)

Answer questions 1-9 in <u>English</u> according to the article. In questions 1, 3, 7, 8 and 9, circle the number of the correct answer. In the other questions, follow the instructions.

- 1. What is the main idea of lines 1-3? There has been an increase in (-).
  - i) the number of articles about food
  - ii) the amount of salt Americans use
  - iii) the number of food companies in America
  - iv) the amount of food Americans eat

(7 points)

2. How did the Campbell Soup Company know that people didn't like the change? (lines 4-7)

ANSWER: Its sales decreased a lot.

(8 points)

- 3. What do we learn about phantom aromas from lines 8-14?
  - (i) They can make our food taste better.
  - ii) They have been used for many years.
  - iii) They can make us eat too much salt.
  - iv) They make us think salt is good for us.

(8 points)

**4.** Why did many of the participants in the 2012 study think there was salt in the soup? (lines 8-14)

ANSWER: Because the aroma of beef was added to the soup.

(8 points)

/ המשך בעמוד 4/

i.	Robe	obert Sobel says that using phantom aromas is "a good start." (line 16)				
	A good start to what? (lines 15-21)					
	ANSWER: For the removing of salt and suger from the companies food.					
	*******		(8 points)			
i.	Wha	t is ONE thing Robert Sobel did? (lines 15-21)				
	ANS	WER:	************			
			(8 points)			
•		What do we learn about the "other techniques" mentioned in line 20?				
	•	s 15-21)				
	i)	They are better than phantom aromas.				
	ii)	They may work best with phantom aromas.				
	iii)	They can decrease the use of salt by 10%.				
	iv)	They were invented by Robert Sobel.	(7 points)			
i.	Wha	t does Michael White think the real problem is? (lines 22-24	<b>l</b> )			
	i)	Phantom aromas make food taste bad.				
	ii	There are already too many artificial ingredients in food.				
	iii)	Americans will continue to add salt to their food.				
	iv)	People will not buy food with phantom aromas.	(8 points)			
l <sub>e.</sub>	The	The main subject of the article is (-).				
	i)	why people have changed the way they eat				
	ii)	why food companies lose customers	,			
	iii)	how to convince people to buy American food				
	iv	how researchers can help food companies	(8 points)			

/ המשך בעמוד 5/