

## ΘΕΜΑ 1. ΚΑΤΑΝΟΗΣΗ ΓΡΑΠΤΟΥ ΛΟΓΟΥ

Read the text and choose the correct option (A, B or C) for items 1-10.



Research agencies have ordered UK scientists to improve the way they use animals in experiments. The organisations have warned that too often poorly designed projects testing new medicine for strokes, cancer and other conditions have produced meaningless results while wasting animals' lives. In some cases, researchers have undervalued the importance of the number of animals needed to test a new medicine in an effort to control the costs of their study. As a consequence, their small scale studies have lacked the power to identify biological effects in the drugs under investigation.

These unreliable results mean that the lives of the animals involved have been wasted, along with scientists' time and resources. In other words, the over-use of animals in experiments has led to unnecessary as well as pointless loss of their lives.

The problem of poorly designed studies has been under investigation for two years and culminated last week when the Research Councils announced changes to guidelines for those carrying out research using animals. Scientists will now have to show that their work will produce physiological insights as well as generate statistically valid data; otherwise they will lose their funding.

A neuroscientist of Edinburgh University pinpointed that these guidelines should be welcomed by the scientific community, although it has taken a long time to introduce them, adding that there has been an increasing awareness that the results of some animal experiments are not in fact very strong.

(233 words)

1. What is the purpose of the text?  
A. Encourage scientists to get involved in research.    B. Provide new information regarding future research.    C. Warn readers against taking medicines.
2. Who would be most interested in reading this text?  
A. Pupils    B. Environmentalists    C. Researchers
3. Which of the following statements is true?  
A. Researchers waste animals' lives for no real reason.    B. Scientific studies may not have the expected results.    C. Research is not necessary for new medicines to be developed.
4. Some researchers overuse animals because  
A. they care more about other aspects of their studies.    B. they want to be certain about the results.    C. their studies are not important for the scientific community.
5. Changes to research guidelines aim at  
A. controlling use of animals in experiments.    B. spending less money on scientific research.    C. helping scientists carry out animal research.
6. Scientists will lose their funding  
A. when they use animals in their research.    B. when they do not present strong findings.    C. when they do not control the costs of their study.
7. The aim of scientific research is  
A. to protect animals' lives.    B. to prevent future accidents.    C. to produce new medicines.
8. In the text, the underlined word "them" refers to  
A. the guidelines    B. the scientists    C. the results
9. In the text, the underlined word "awareness" means  
A. knowledge    B. excitement    C. difficulty
10. According to the last paragraph  
A. scientists should be happy with the new guidelines.    B. animals should not be used at all in experiments.    C. all research guidelines should change.

## ΘΕΜΑ 2<sup>α</sup>. ΛΕΞΙΚΟΓΡΑΜΜΑΤΙΚΗ

Fill each gap in sentences 11-20 with the correct word from the box below (A-J). Use each word only once.

A.	changes	B.	conditions	C.	identify	D.	produce	E.	resources
F.	results	G.	warn	H.	experiments	I.	improve	J.	introduce

11.	Health _____, like illnesses and injuries can affect our ability to enjoy life.
12.	Scientists try to _____ chemicals in plants that could fight cancer.
13.	She is anxiously waiting for the _____ of her blood tests.
14.	The new factory can _____ about 800 cars a year.
15.	I think the best way to _____ my French is to spend some time in France.
16.	Sometimes, major _____ are needed for people to be happy in their everyday life.
17.	I tried to _____ you of the dangers of sailing alone but you never listen to me!
18.	Some people believe that _____ on animals should be banned.
19.	We want to _____ a new training schedule for all our employees.
20.	Some people don't have the _____ to feed themselves properly.