

## ΘΕΜΑ 1. ΚΑΤΑΝΟΗΣΗ ΓΡΑΠΤΟΥ ΛΟΓΟΥ

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

Research agencies have instructed UK scientists to improve the way they use animals in experiments given that many projects testing new medicines for strokes, cancer and other health problems have often been poorly designed and have produced meaningless results while wasting animals' lives. In some cases, researchers desperate to control the costs of their work have underestimated the number of animals needed to test a new medicine. Therefore, their small scale studies have lacked the power to identify biological effects in the drugs under scrutiny. These unreliable results indicate the pointless over-use of animals in experiments in addition to wasting scientists' time and resources. Inappropriately designed studies have been under analysis for two years by the UK Research Councils, which announced changes to guidelines for those carrying out research using animals. Scientists will lose their funding unless **they** show that their work produces physiological insights as well as generates statistically valid data. A neuroscientist of Edinburgh University stated that new guidelines should be welcomed by the scientific community, since there has been an increasing **awareness** that the results of some animal experiments are not actually reliable. He also added that experiments on animals, which mostly involve breeding either genetically modified or unmodified rats or mice, are done to test medications before human trials are launched. However, it takes a fairly large number of them to reveal whether a drug is having pharmacological effects. The head of the UK research policy for the Reduction of Animals in Research pointed out that a specific number of animals can still be used in scientific experiments but no more than necessary, stating that it is morally **unacceptable** to get the numbers wrong.



(278 words)

- The main purpose of the text is  
A. to provide solutions to an environmental problem      B. to inform about changes in studies using animals      C. to encourage scientists to get involved in more studies
- This type of text can be found in  
A. a teens magazine      B. a fiction book      C. a daily newspaper
- Who would be most interested in reading this text?  
A. Pupils      B. Ecologists      C. Scientists
- Small scale studies on medicines  
A. always waste animals' lives for no good reason      B. might provide unreliable or insignificant results      C. might lead to increasing scientists' resources
- Researchers will lose funding when they  
A. do not publish the results.      B. do small scale research.      C. do not produce valid results.
- Experiments on animals  
A. should not involve genetically modified mice.      B. should follow experiments with plants.      C. should take place before new medicines are produced.
- Research guidelines had to change in order to  
A. control use of animals in experiments.      B. spend less money on scientific research.      C. allow scientists to use more animals in experiments.
- In the text, the underlined word "**they**" refers to  
A. the animals      B. the experiments      C. the scientists
- In the text, the underlined word "**awareness**" means  
A. difficulty      B. knowledge      C. excitement
- In the text, the underlined word "**unacceptable**" means  
A. unimportant      B. unbelievable      C. inappropriate

**ΘΕΜΑ 2<sup>ο</sup>. ΛΕΞΙΚΟΓΡΑΜΜΑΤΙΚΗ**

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

<b>A.</b>	improve	<b>B.</b>	unreliable	<b>C.</b>	guidelines	<b>D.</b>	produce	<b>E.</b>	desperate
<b>F.</b>	reveal	<b>G.</b>	identify	<b>H.</b>	insights	<b>I.</b>	effects	<b>J.</b>	valid

<b>11.</b>	We don't know the long-term _____ of the new medicine.
<b>12.</b>	Scientists try to _____ chemicals in plants that could fight cancer.
<b>13.</b>	He was considered _____ because he kept changing the results of his study.
<b>14.</b>	The new factory can _____ about 800 cars a year.
<b>15.</b>	I think the best way to _____ my French is to spend some time in France.
<b>16.</b>	The new research provides many useful _____ into children's behaviour.
<b>17.</b>	All factory workers should follow a set of safety _____ to avoid getting injured.
<b>18.</b>	You need to support your findings with _____ data otherwise nobody will believe you.
<b>19.</b>	I couldn't find any solution to my problem! I was so _____ I just started crying!
<b>20.</b>	Don't worry! I will never _____ your secret! You can trust me!