

Devoir De Synthèse N.2 (classe 3)

Nom :classe 3 (éco-gestion+science)

Does Mother Nature Know Best?

A Cloning – using genetic engineering to make exact copies of living plants and animals – has been in science fiction for years. Since 1997, with the cloning of a sheep, Dolly, it has become part of real life and the subject of public debate.

B For some people, human cloning is acceptable in medicine despite the criticism that it is unnatural. For example, human tissue can be cloned for use in organ replacement or gene therapy. Also, organs could be provided by human clones. When a child is suffering from a fatal disease and needs an organ donor, its parents could have a younger cloned brother or sister – effectively an identical twin. This would provide 100% donor compatibility whereas an organ donated from another brother or sister would only stand a 25% chance of being successful. Moreover, couples who can't have children may wish to clone a child from themselves. Finally, endangered animals could be cloned to increase their numbers.

C However, there are many arguments against cloning. Although many people saw the cloning of Dolly as a major breakthrough, it is just another step towards 'playing with nature'. Firstly, despite what they say, scientists have no idea of the long-term effects of genetic engineering. More and more genetically altered plants are being produced, and cloned farm animals are next. However, creating 'perfect' plants and animals could eliminate the great variety of species on our planet. Furthermore, some scientists say we could transplant organs from cloned animals into humans, even though the risks are enormous and many people find the idea repulsive.

D All things considered, I am against cloning. It is clear that we need to regulate genetic engineering and stop experiments now, before it is too late!

Sophie Mclean

Reading Comprehension (12)

1- Tick the appropriate answer (1.5)

- The writer wants to:
- A) convince the reader
 - B) entertain the reader
 - C) narrate the story

2- Match these headings with the appropriate paragraphs A-D.(2)

- give the writer's opinion
- arguments against cloning
- define the topic
- arguments for the topic

3- Read the text and say whether these statements are True (T) or False (F). Justify your answers with details from the text. (3)

- a) Cloning to cure people is welcomed. ()
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- b) Cloning is against nature. ()
.....
- c) Donation of organs from a cloned twin is more successful ()
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- d) Cloning children from oneself solves the problem of sterility. ()
.....
- e) The number of animals in danger of extinction can be increased. ()
.....
- f) We can transfer organs from people to animals. ()
.....

4. Circle the right alternatives . (2)

- a) The writer (**1-likes** , **2-doesn't like**) cloning
- b) The negative points of cloning are (**1- more important** , **2- less important**) than the positive points.
- c) Genetically-modified plants (**1- are available** , **2- are not produced**)
- d) Dolly was (**1- a sheep** **2- a horse**) .

5. Do you accept human cloning for medical purposes?. (1.5)

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6. Do you prefer to have a natural brother or a cloned brother ?Why (2)

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Language

Task 1: Put the verbs/words in the right tense or form.(3)

My aunt is a scientist and she works in a research institute near London. She is a biologist and she (research) (1) the effect of machines on animals. She recently made the discovery that the sound of machines is of less importance than we might (think) (2) She produces (3) computerized models of animal behavior, in particular that of cows. The inspiration for my aunt's work was (she) (3)childhood on my grandparents' farm. She disliked household pets but loved farm animals. My aunt is (4) (extreme) good with animals and immediately starts up a relationship with them. She (5) (have) a very nice personality and I get on well with them. She is quiet and modest but is a very (6)(determine) person.

Task 2: Fill in the blanks with words from the list. (3)

babies, cloning , cloned, clone, after, months

Don't be fooled by the cute photos of the cloned monkeys – they will live a life of pain. Whatever you think of the ethics, the practice of animalleads to enormous suffering for animals. Painful, ugly deformities and early deaths are very very much the norm – 96 per cent do not survive beyond six..... Many..... animals suffer from health issues including heart failure, respiratory difficulties, and structural disabilities. The team that created the two monkeys admits there was “much failure before we found a way to successfullya monkey”. In fact, they tried 79 times before they got it right. Monkey after monkey was made to live in distressing conditions and then diea few days. The people working on the machine don't tell us the names of those.....

Writing

a- **Guided writing** (4)

Reorder the following sentences to get a coherent paragraph.

1-It is winter now and

2-Coke and all the other men
work in the prison factory,
where they make mail-bags,
but Coke often works in the fields outside.
get up at six.
They have breakfast at six thirty.
Work begins at seven thirty. Some of the men

b- Free writing (8) A newspaper has organized a competition in writing .The topic is the following:

“ Although technology has helped us a lot in our daily life, it has many drawbacks on our health and environment. “ Write a paragraph about the advantages and the disadvantages of technology.

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