Reading 潮恩软育

Cloning: Where is it leading us?



Enjoy the Comics

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Mom, where was I from?



How could it be possible?



You are a clone of your father!



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Look at your father and picture yourself sitting there after thirty years



Read between the lines

- "You are a clone of your father."
- clone n. an exact copy...
 - v. make an exact copy.....
- Is the mother serious? What does the mother imply?
- It's just a joke and the mother implies that the son and his father are identical in lifestyle and appearance.

In scientific terms, cloning is not a joke!

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cloned rabbit

cloned

horse"

The world's first cloned cat, Copy Ca

cloned pig

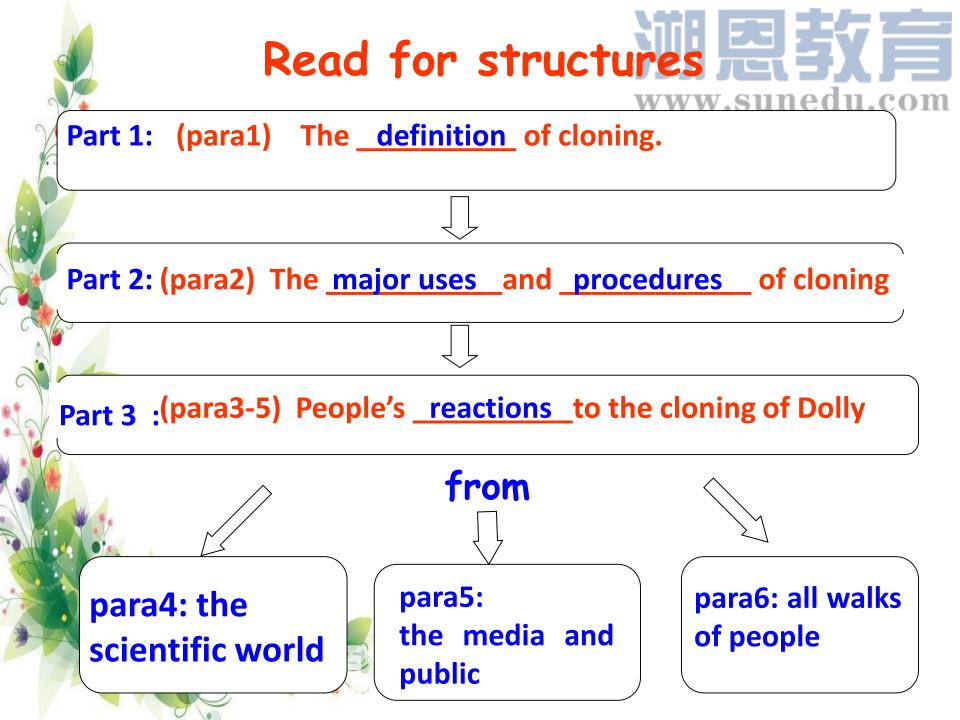


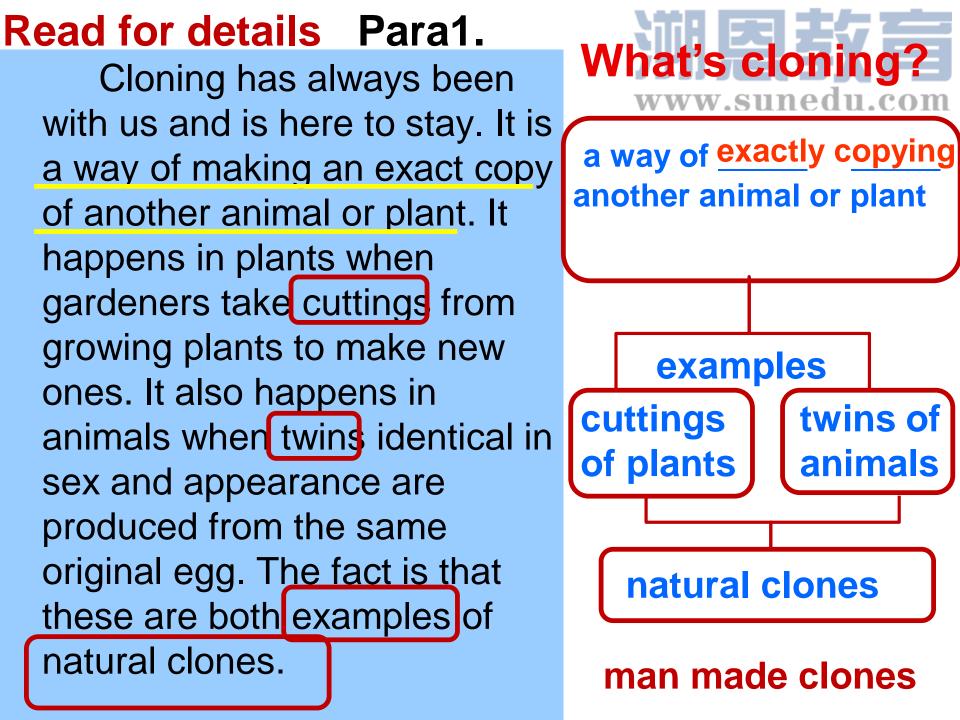


Dolly's appearance is a breakthrough.

Dolly is the first mammal to be cloned.







Para2.

Cloning has two major uses Firstly, gardeners use it all the time to produce commercial quantities of plants. Secondly, it is vale as research on new plant species and for meaning research on animals. Cloning plants is straightforward while cloning animals is very complicated. It is a difficult task to undertake. Many attempts to clone mammals failed. But at last the determination and patience of the scientists paid off in 1996 with a breakthrough - the cloning of Dolly the sheep.

How many major uses does cloning have? What are they?

not only commercial but also.....research production

Para₂.

Cloning has two major uses. Firstly, gardeners use it all the time to produce commercial quantities of plants.

- Secondly, it is valuable for research on new plant species and for medical research on animals. Cloning plants is straightforward while cloning animals is very complicated. It is a difficult task to undertake. Many attempts to clone mammals failed. But at last the determination and patience of the scientists paid off in 1996 with a breakthrough - the cloning of Dolly the sheep.
- Is cloning a difficult task to undertake? It is such a difficult task to undertake that many attempts failed to undertake that many attempts...failed.

Para2.

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Did the attempt of cloning succeed at last?

Yes!

pay off: to be successful and bring good results

Para2.

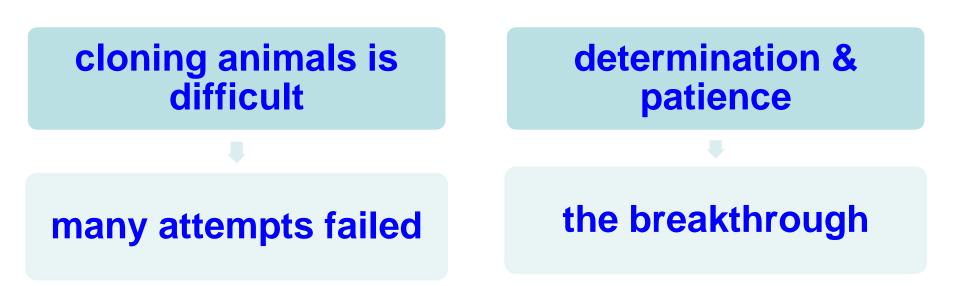
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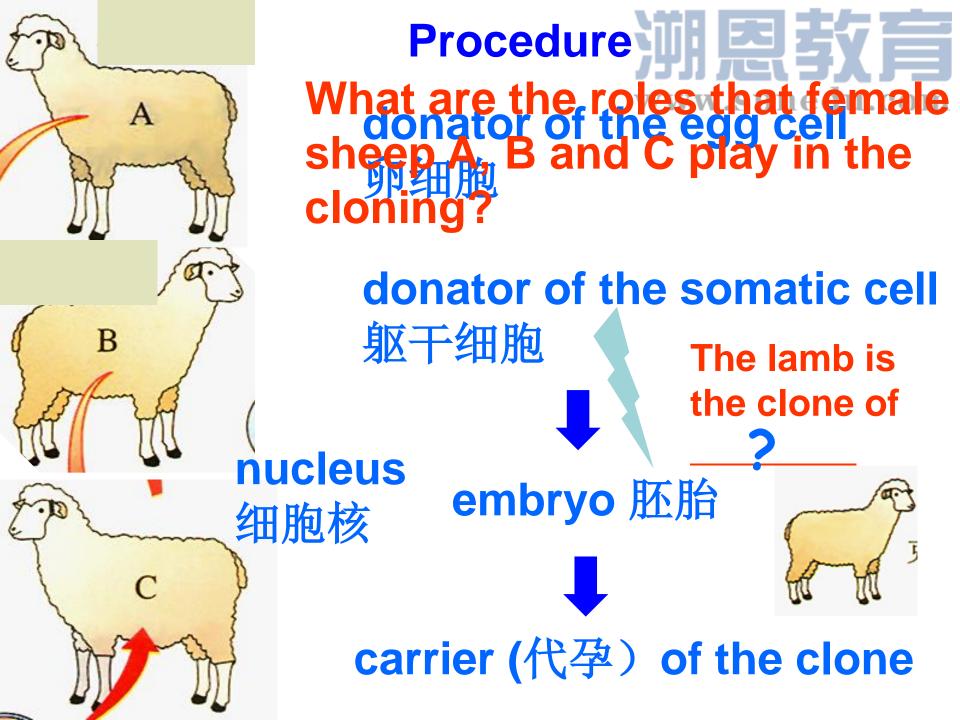
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What was it that made the scientists succeed in cloning mammals?

It was <u>their determination and patience</u> that made the scientists succeed in cloning mammals.

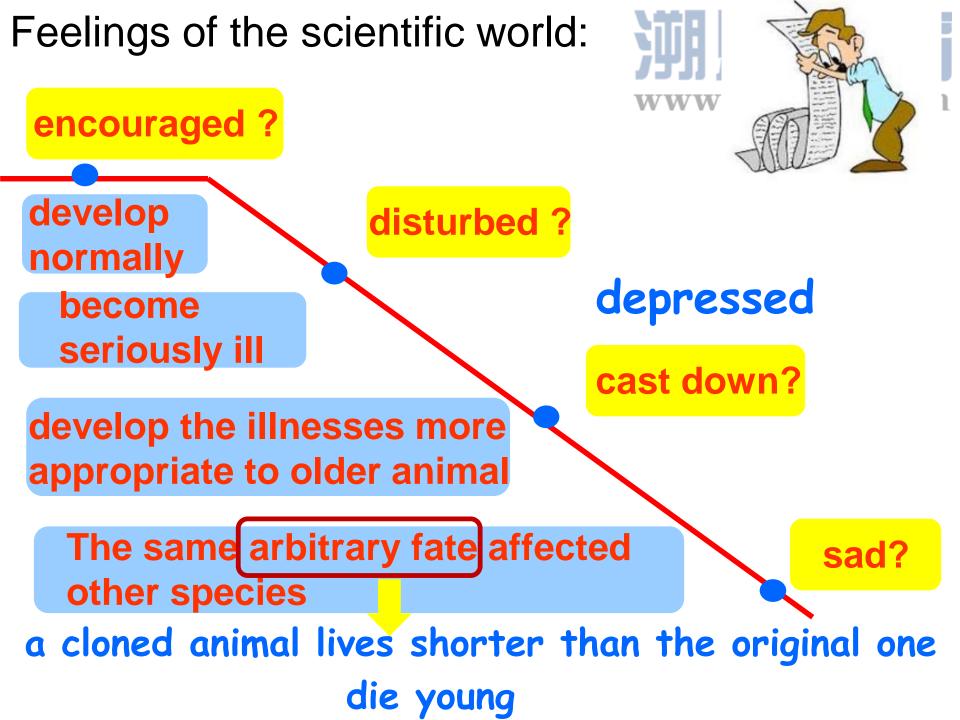






Paragraph 3—5:

People's reactions to the cloning of Dolly Where are the reactions from? scientific world the media and the public religious leaders and governments all walks of life(各行各界)



Para 4:

The word "controversial" in wpara 4 edu.com probably means :_____.

- A. complicated Why is it controversial?
- B. arguable On the one hand....
- C. important
 - D. traditional

On the other hand....

....raised a storm of objections

Many people object to the idea of cloning.

It also opened everybody's eyes to the possibility...

Para 5	当四好叫
Who	Attitudes and Responses
evil leaders	try to attain their ambitions
religious leaders	raise moral questions
governments	become nervous and conservative
some other countries	accumulate evidence of the abundant medical aid
scientists	still wonder whether
author's attitude? CLONING: WHERE IS IT LEADING US? objective (considering only facts)	

Your attitude?

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Discussion

Cloning: Twice as nice or double trouble?

be in favor of it be against it

Cloning: Twice as nice or double trouble? www.sunedu.com

be in favor of it:

- medical research;
- more quantities of plants;
- new plant species;
- save endangered animals
- provide cure for serious illness

be against it

- develop illness of older animals;
- die younger;
- evil leaders;
- moral objection;

"Science is a powerful instrument. How it is used, whether it is a blessing or a curse to mankind, depends on mankind and not on the instrument. A knife is useful, but it can also kill."

- Cloning is a double-edged sword
- Anyway, whether cloning is helpful or harmful depends on whether we humans develop and use it in a wise way.

 No matter how advanced the technology is, there is still something that can never be cloned, including love, friendship, experience, etc.

Whatever happens tomorrow, we've had today.

---- From a movie <One Day>

 Yesterday is _______.
 history _______.
 Tomorrow is a ______.

 mystery _______.
 Today is a ______.
 a ______.

 why we call it ______.
 the present ______.

Assignment

- 1. Search the internet for the latest information of Cloning.
- 2. Write a composition about the class discussion "twice as nice or double trouble?"
- 1) topic introduction
- 2) opinions from your classmates
- 3) your opinion

