

UNIT 11 CLONING



Target
Vocabulary

Noun:	cloning, alteration, promise, fault, opponents, embryo, cell
Adjective:	hereditary, immoral, unethical, perverse, defect-free, unchecked, genetic
Adverb:	utterly
Verb:	propose, argue, remove, modify, implant
Phrasal Verb:	turn down, wait for, watch out for, write down, set off

A scientist involved in creating Dolly the cloned sheep has **proposed** using **cloning** and gene **alteration** to create babies free from **hereditary** diseases. Professor Ian Wilmut **argues** in a new book that cloning a 100-cell IVF embryo is not the same as cloning a human. Professor Wilmut, of the Roslin Institute near Edinburgh, says it would be "**immoral**" not to use the **promise** of new technology to help families. But **opponents** called the plan "**unethical**" and "**utterly perverse**". Professor Wilmut describes how it would be possible to take an embryo affected by a hereditary disease and then **remove** its stem cells and **modify** the **genetic fault** which, left **unchecked**, would cause a condition such as Huntington's disease or cystic fibrosis. These **defect-free cells** would then be cloned and used to create a new **embryo** which was not affected by disease. This would then be **implanted** into the mother's womb and allowed to develop into a baby.

I. Read the passage carefully and circle the choice which is the closest in meaning to the word given.

1. "proposed" in line 1 means

- A. entertained
- B. suggested
- C. reduced

3. "utterly" in line 6 means

- A. slightly
- B. legally
- C. completely

2. "alteration" in line 2 means

- A. change
- B. creation
- C. advantage

4. "modify" in line 8 means

- A. alter
- B. involve
- C. disappear

5. "defect-free" in line 10 means

- A. faulty
- B. healthy
- C. unhealthy

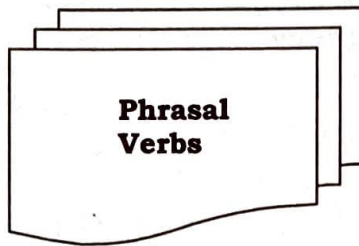
II. Match the following words with the definitions.

- | | |
|--------------------------|--|
| 1. ___ embryo | a. the smallest part of a living thing that can exist independently |
| 2. ___ unethical | b. someone who disagrees with a plan, idea, or system and wants to try to stop or change it |
| 3. ___ implant | c. creating an exact copy of some living organism |
| 4. ___ hereditary | d. foetus; an animal or human that has not yet been born, and has just begun to develop |
| 5. ___ opponent | e. not controlled or stopped |
| 6. ___ unchecked | f. behaving in an unreasonable way, especially by doing the opposite of what people want you to do |
| 7. ___ cloning | g. morally unacceptable |
| 8. ___ cell | h. to put something into someone's body by performing a medical operation |
| 9. ___ perverse | i. genetic; passed from a parent to a child before the child is born |

III. Fill in the blanks with an appropriate word from the list below making changes if necessary.

argue immoral genetic fault remove promise
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1. The president _____ strongly against taking any form of military action.
2. More research is needed to fulfill the _____ of this powerful technology.
3. By manipulating the tomato's _____ make-up, scientists can alter the rate at which it ripens.
4. Reference books may not be _____ from the library.
5. Critics complain that the lyrics of the song encourage anti-social and _____ behaviour.
6. There was a _____ in the iPod I bought yesterday, so I took it back to the store.



turn down:	refuse or reject (something or someone) a request / an offer / an applicant / an application etc
wait for:	wait until someone / something arrives or is finished with something else
watch out for:	be careful of; beware of
write down:	record something in writing
set off:	start a journey

IV. Fill in the blanks with an appropriate word from the list above making changes if necessary.

1. Barry _____ on his camping holiday at six o'clock in the morning and reached the campsite, in France, at midday.
2. I'm tired of _____ the bus. I guess I'll take a taxi instead.
3. Could you tell me your e-mail address again? I want to _____ it _____.
4. If you take that road, _____ ice during the winter.
5. I thought I could borrow some money from Joe, but when I asked, he _____ me _____.

MINI TEST

1. **Environmentalists ---- that the UN should set up an emergency centre for global warming.**
A) modified B) removed
C) implanted D) proposed
E) accomplished
2. **The general interior layout of the museum is magnificent, but later ---- have made the decoration of a lower standard.**
A) promises B) alterations
C) preventions D) survival
E) recollections
3. **Dr. DeVries ---- the artificial heart in Clark in 1982.**
A) implanted B) argued
C) influenced D) neutralized
E) obtained
4. **He is such an intelligent and reliable man that he is admired even by his political ----.**
A) proponents B) opponents
C) views D) deficiencies
E) peers
5. **After running many tests the doctor decided that his illness was ----.**
A) immoral B) intensive
C) supplementary D) diverse
E) hereditary
6. **The new technology will make it easier for surgeons to ---- abnormal growths before they cause problems.**
A) remove B) propose
C) implant D) argue
E) sustain
7. **What he said about the new project was ---- ridiculous and made everybody angry.**
A) reluctantly B) mutually
C) constantly D) utterly
E) reasonably
8. **It is believed that genetically ---- crops will put an end to food shortages in the developing world, yet there are serious concerns about their long-term effects.**
A) removed B) modified
C) implanted D) proposed
E) intended
9. **We have to accept that cultural values change with time and, what was ---- once may not be considered so today.**
A) alert B) genetic
C) considerable D) immoral
E) private
10. **It was stupid of him to ---- the job offer while there are so many unemployed people around.**
A) turn down B) wait for
C) watch out for D) write down
E) set off