P1 Lesson 15. Copyright ©eTOC-surely work-All Rights Reserved 長文読解デュアルメソッド英検 2 級レベル

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In 1993, director Steven Spielberg had a big hit with his movie *Jurassic Park*.

- 2. The movie was about a <u>theme park</u> where people could see cloned dinosaurs, but 3. it was criticized by some scientists as unrealistic.
- 4.Dinosaurs, they say, could never be brought back to life by cloning.
- 5. What those scientists did not know, though, was how much progress cloning
- 6. would make after the movie was produced.
- 7. In particular, a new method known as "interspecies cloning" has brought the 8. world of Spielberg's movie much closer to reality.
- 9.Interspecies cloning means using the egg of one species of animal to produce a 10.clone of another species.
- 11. First, an egg is taken out of a female animal and the DNA is removed.
- 12. Then the DNA of another animal is put into the egg.
- 13. Electricity is passed through the egg, causing it to start growing.
- 14. The egg is then put back into the mother's body, where it develops into a normal 15.baby.
- 16. Scientists have so far managed to create a number of animal clones in this way.

Further Questions& Sample Answers

- 17.1) Why do you think scientists said it was impossible to clone dinosaurs like in the movie *Jurassic Park*?
- 18. The process used in the movie would not work in real life.
- 19.2) What's interspecies cloning?
- 20.A clone of one species is created using the embryo of a different species.
- 21.3) How does interspecies cloning work?
- 22. The DNA of one species is put into the embryo of a different species.
- ^{23.}One scientist who has been working on interspecies cloning is Betsy Dresser of ^{24.}the Audubon Nature Institute in New Orleans.
- 25.Dresser's goal, however, has not been to bring extinct animals back to life.
- 26.Rather, she hopes to prevent animals from becoming extinct in the future.
- 27. So far, she has produced clones of African wildcats by putting their DNA into the 28.eggs of ordinary pet cats.
- 29. The clones she has produced have not only been healthy, but have also given
- 30.birth to kittens themselves.
- 31. She believes that this kind of cloning will allow scientists to increase animal
- 32 populations when it is necessary.

Further Questions& Sample Answers

- 33.4) What's Betty Dresser's goal?
- ^{34.} To catalogue all the DNA of endangered species so that they might be recreated in the future if they go extinct.
- 35.5) Have the clones she has made been healthy?
- 36. Yes, and some have even had children.

- 37. With this goal in mind, Dresser has been creating a "frozen zoo" of endangered 38.animals.
- ^{39.}She has collected tiny pieces of skin containing the DNA of hundreds of different ^{40.}species from around the world.
- 41. She keeps these frozen in small containers so that if it becomes necessary in the
- 42. future, clones can be created.
- 43. Not all experts agree with the idea of creating clones.
- 44. Some of them say that it is more important to prevent damage to the
- 45.environment.
- 46. In this way, animals could continue to live where they are.
- ⁴⁷.Dresser agrees but argues that if it is a choice between extinction and cloning, it ⁴⁸.is better to choose cloning.

Further Questions& Sample Answers

- 49.6) Why do some people disagree with Betty Dresser's method?
- 50. They feel it would be better to focus energy on preserving the environment rather than rely on cloning to fix it after it is too late.
- 51.7) Do you think it would be possible to bring extinct species back using Betty Dresser's methods?
- 52. We can create individuals if we have the DNA, but not whole species.
- 53.8) What is an extinct animal you would bring back if you could?
- 54. Seeing the flying dinosaurs might be nice.

55 (41) Why did some scientists criticize *Jurassic Park*?

- 56.1 They disliked using dinosaurs for entertainment.
- 57.2 They opposed the idea of creating fake dinosaurs.
- 58.3 They doubted that dinosaurs could ever be cloned.
- 59.4 They thought the dinosaurs in it were the wrong size.

60.(42) What is one way that scientists have been able to create animal clones?

- By replacing the DNA in an animal's egg with the DNA of another animal.
- By raisings many different kind animals to be used collecting DNA.
- 63.3 By gradually changing DNA to create a new animal.
- 64.4 By using electricity to create DNA in a laboratory.

65. (43) What is Better Dresser trying to do?

- 66.1 Increase the variety of pets that people keep.
- 67.2 Create new species that can avoid extinction.
- 68.3 Show that cloned animals are not healthy.
- 69.4 Make it possible stop species from dying out.

70. (44) Why are some experts against cloning?

- 7.1 They are concerned about the effect of clones on other animals.
- 722 They worry that cloning will only be able to help a few species.
- 733 They think that it would be better to protect the places where animals live.
- They believe that storing animal DNA for the future will be too expensive.

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75.(45) Which of the following statements is true?

- 76.1 Jurassic Park seems much more realistic now than when it was first shown.
- 77.2 Dresser has collected clones of many different species from all over the world.
- There is a possibility that even ordinary pets like cats will become endangered.
- 79.4 It is still impossible to create clones that are able to produce babies of their own.
- 80.1) Why do you think scientists said it was impossible to clone dinosaurs like in
- 81. the movie Jurassic Park?
- 82. The process used in the movie would not work in real life.
- 83.2) What is interspecies cloning?
- 84. A clone of one species is created using the embryo of a different species.
- 85.3) How does interspecies cloning work?
- 86. The DNA of one species is put into the embryo of a different species.
- 87.4) What is Betty Dresser's goal?
- 88. To catalogue all the DNA of endangered species so that they might be recreated
- 89. in the future if they go extinct.
- 90.5) Have the clones she has made been healthy?
- 91. Yes, and some have even had children.
- 92.6) Why do some people disagree with Betty Dresser's method?
- 93. They feel it would be better to focus energy on preserving the environment rather
- 94. than rely on cloning to fix it after it is too late.
- Do you think it would be possible to bring extinct species back using Betty
- 96.Dresser's methods?
- 97. We can create individuals if we have the DNA, but not whole species.
- 98.8) What is an extinct animal you would bring back if you could?
- 99. Seeing the flying dinosaurs might be nice.

解答: (41) 3 (42) 1 (43) 4 (44) 3 (45) 1





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日本語訳付

4[C] – <u>Saving a Copy</u>



Lesson15 G2 Chobun dokkai 11.1(4C)A2E

100.In 1993, director Steven Spielberg had a big hit with his movie

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101.Dinosaurs, they say, could never be brought back to life by those scientists did not know, though, was how much progress cloning would make after the movie was produced.

102 In particular, a new method known as

現実 (げんじつ) cloning "has brought the world of Spielberg's movie much closer to reality.

103. Interspecies cloning means using the egg of one species of animal to

a clone of another species. produce 持(も)ち出(だ)された

取(と)り去(さ)られた

104. First, an egg is taken out of a female animal and the DNA is removed Then the DNA of another animal is put into the egg.

電気 (でんき) 通過 (つうか) した それが成長 (せいちょう) し始 (はじ) める原因 (げんいん) だ 105. Electricity is passed through the egg, causing it to start growing ...

106. The egg is then put back into the mother's body, where it develops into a 創造 (そうぞう) する なんとか~する normal baby. Scientists have so far managed to create a number of animal clones in this way.

Further Questions&& Sample Answers.

107.1) Why do you think scientists said it was impossible to clone dinosaurs like in the movie *Jurassic Park*?

108. あなたはなぜ科学者たちが映画 "Jurassic Park" ように、恐竜 のクローンを作ることは不可能だと言ったと思いますか。

109. The process used in the movie would not work in real life.

110.2) What is interspecies cloning? 異種間クローニングとはなんですか。

111.A clone of one species is created using the embryo of a different species.

112.3) How does interspecies cloning work? 異種間クローニングはどのように作用しますか。

113. The DNA of one species is put into the embryo of a different species.

115. One scientist who has been working on interspecies cloning is Betsy Dresser of the Audubon Nature Institute in New Orleans. Dresser's goal, however, 絶滅(ぜつめつ)した

animals back to life. has not been to bring extinct 防 (ふせ) ぐ

116.Rather, she hopes to prevent animals from becoming extinct in the future. 作 (つく) り上 (あ) げた

clones of African wildcats by putting their DNA So far, she has produced

into the eggs of ordinary pet cats. (普通の猫の卵細胞にアフリカヤマネコの DNA を入れる事によってア 彼女(かのじょ)によって作(つく)られた

フリカヤマネコのコピーを発り上げた)The clones she has produced 健康的(けんこうてき)なだけでなく

have not only been healthy, but have also given birth to kittens themselves. ~ することを許(ゆる)す

117. She believes that this kind of cloning will 動物(どうぶつ)の集団(しゅうだん) それが必要(ひつよう)なときに animal populations when it is necessary.

allow scientists to increase



120.4) What is Betty Dresser's goal? Betty Dresser の 目標 はなんですか。

絶滅(ぜつめつ) しそうな all the DNA of endangered species so that they might 121. *To* catalogue 再創造(さいそうぞう)させられる in the future if they go extinct.

122.5) Have the clones she has made been healthy? 彼女が作り上げたクローンたちは健康ですか。 123. Yes, and some have even had children.

よく憶(おぼ)えておく in mind , Dresser has been creating a " 124. With this goal frozen zoo" of ~を含(ふく)む animals. She has collected tiny pieces of skin containing endangered the DNA of hundreds of different species from around the world.

125. She keeps these frozen in small containers so that if it becomes necessary in 専門家(せんもんか) 賛成(さんせい)する the future, clones can be created. Not all with the idea of experts agree creating clones.

防 (ふせ) ぐ

126. Some of them say that it is more important to prevent damage to the 環境(かんきょう) environment.

彼(かれ)らがどこにいても このように 127. In this way, animals could continue to live where they are. Dresser agrees but 絶滅(ぜつめつ) 選択 (せんたく) that if it is a between extinction and cloning, it is better to choice argues ~を選(えら)ぶ choose cloning.

Further Questions& Sample Answers

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128.6) Why do some people disagree with Betty Dresser's method?

なぜ一部の人々は Betty Dresser の方法に反対しているのですか。

130. They feel it would be better to focus energy on preserving the environment rather than rely on cloning to it after it is too late.

131.7) Do you think it would be possible to bring extinct species back using Betty Dresser's methods? あなたは絶滅種を Betty Dresser の方法で呼び戻すことができると思いますか。

132. We can create individuals if we have the DNA, but not whole species.

133.8) What is an extinct animal you would bring back if you could?

もし絶滅種を1つ呼び戻すことができるならあなたは何を呼び戻したいですか。

135. Seeing the flying dinosaurs might be nice.

批評(ひひょう)する Why did some scientists Jurassic Park? criticize

なぜ科学者は Jurassic Park を非難しましたか。 137.

They disliked using dinosaurs for entertainment. $138.\,1$

opposed the idea of creating fake dinosaurs. 139.**2**

140.3They doubted that dinosaurs could ever be cloned.

They thought the dinosaurs in it were the wrong size. 141.**4**

- 142.(42) What is one way that scientists have been able to create create animal clones? 科学者が動物のクローンを生み出すことができている一つの方法は何ですか。 ~と取(と) 9 替(か) える
- By replacing the DNA in an animal's egg with the DNA of another animal. ~に使用(しよう)される 集(あつ)めること
- 144.2 By raisings many different kind animals to be used collecting DNA.
- 145.3 By gradually changing DNA to create a new animal.
- By using electricity to create DNA in a laboratory.
- 147.(43) What is Better Dresser trying to do? Better Dresser は何をしようとしていますか。
- Increase the variety of pets that people keep.
- 149.2 Create new species that can avoid extinction.
- 150.3 Show that cloned animals are not healthy.
- 151.4 Make it possible stop species from dying out.



専門家(せんもんか) ~に反対(はんたい) する 152.(44) Why are some experts against cloning?

153. ある専門家たちがクローン化に反対しているのはなぜですか。

- 154.1 They are concerned about the effect of clones on other animals.
- 155.2 They worry that cloning will only be able to help a few species.
- 157.4 They believe that storing animal DNA for the future will be too expensive.
- (45) Which of the following statements is true? 次の陳述のうち、正しいものを選びなさい。 現実的 (げんじってき) な それが初 (はじ) めて現 (あら) れたとき
- 159.1 Jurassic Park seems much more realistic now than when it was first shown.
- Dresser has collected clones of many different species from all over the world.
- 162.4 It is still impossible to create clones that are able to produce babies of their own.

Review Questions



- 163.1) Why do you think scientists said it was impossible to clone dinosaurs like in the movie Jurassic Park?
- 164. The process used in the movie would not work in real life.
- 165.2) What is interspecies cloning?

166.A clone of one species is created using the embryo of a different species.

167.3) How does interspecies cloning work?

胚 (はい)

168. The DNA of one species is put into the embryo of a different species.

169.4) What is Betty Dresser's goal?

ひとつひとつ列挙(れっきょ)する 絶滅(ぜつめつ)しそうな T_{cont} の T_{cont}

70. To catalogue all the DNA of endangered species so that they might be recreated in the future if they go extinct.

171.5) Have the clones she has made been healthy?

172. Yes, and some have even had children.

173.6) Why do some people disagree with Betty Dresser's method?

174. They feel it would be better to focus energy on preserving the environment

rather than rely on cloning to http://www.jts.com/ fix it after it is too late.

Dresser's methods?

個体(こたい)

176. We can create individuals if we have the DNA, but not whole species.

What is an extinct animal you would bring back if you could?

178. Seeing the flying dinosaurs might be nice.



解答: (41) 3 (42) 1 (43) 4 (44) 3 (45) 1



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