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Scientists want to bring mammoths back to life

16th September, 2021



Scientists are working on bringing back the woolly mammoth. The giant creature is an ancestor of the Asian elephant. became extinct over 4,000 years ago, but scientists and entrepreneurs want to bring it back to life. The idea is like something from the movie Jurassic Park.

Scientists will use the DNA from the bones of a mammoth found in Siberia to revive the mammoth. They will also use cloning techniques. It would be the first time since the Ice Age for a mammoth to walk on the earth. The lead scientist is professor George Church, a geneticist from Harvard Medical School. He is an expert in gene editing. An entrepreneur, Ben Lamm, said: "Our goal is to have our first calves in the next four to six years."

Ben Lamm is founder of a technology and software company called Colossal. He has provided \$15 million for the research to move forward. He said he has big plans to bring the mammoth back to life and to revive other species. He said he hoped to "rapidly advance the field of species de-extinction" and "to restore the woolly mammoth to the Arctic tundra". Mr Lamm believes the research will result in innovations that will benefit biotechnology and health care. Lamm compared the project to the Apollo missions to the moon. He said they made people excited about space. They led to the development of everyday products like freeze-dried food, and of technology such as GPS. Mr Lamm believes genetics will improve our lives.

Sources: theguardian.com / cnn.com / usatoday.com

Writing

Bringing extinct species back to life is dangerous. Discuss.

Chat

Talk about these words from the article.

scientists / giant / creature / extinct entrepreneur / DNA / technique / earth / goal / technology / software / species / Arctic / missions / moon / products / genetics

True / False

- The Asian elephant is the ancestor of the woolly mammoth. T/F
- 2) The woolly mammoth died out more than 4,000 years ago. T / F
- The woolly mammoth was the star of the movie Jurassic Park. T/F
- Woolly mammoths could return to Earth within the 4) next six years. T / F
- An entrepreneur helped the research by giving \$50 5) million. T/F
- The entrepreneur wants to bring back more species 6) from extinction. T / F
- The Apollo moon missions led to the creation of GPS technology. T / F
- The entrepreneur said genetics will improve freezedried food. T / F

Synonym Match

(The words in **bold** are from the news article.)

1.	bringing	back	

quickly

extinct

h. method

entrepreneur

C. make better

4. technique

wiped out d

expert 5.

changes е.

founder

f. reviving

rapidly

specialist q.

innovations

h. journeys

i.

missions

i. business person

10. improve

creator

Discussion – Student A

- a) What do you know about woolly mammoths?
- b) Do you think bringing the woolly mammoth back is a good idea?
- c) Why do you think scientists want to bring it
- d) What are the dangers of reviving the woolly mammoth?
- What do you think of cloning? e)
- f) How much like Jurassic Park is bringing back the woolly mammoth?
- What do you know about the Ice Age? g)
- h) How important is the job of a geneticist?

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Phrase Match

- Scientists are working on bringing
- 2. The giant creature is an ancestor
- 3. It became extinct
- They will also use cloning
- 5. He is an expert
- 6. rapidly advance the field of
- 7. result in innovations that will benefit
- the Apollo missions
- 9. They led to the development
- 10. genetics will

Discussion – Student B

- What do you think about what you read?
- What do you think of woolly mammoths? b)
- Would you like scientists to bring back the dinosaurs?
- What do you think of the idea of deextinction?
- How might this research benefit our lives?
- What extinct animal would you like scientists to bring back?
- What three adjectives best describe this
- What questions would you like to ask the scientists?

Spelling

- The giant ueearrct
- 2. an ocaetsrn of the Asian elephant
- 3. It became xtctnei over 4,000 years ago
- 4. They will also use ngocinl techniques
- 5. a steiintegc from Harvard Medical School
- 6. He is an pxerte in gene editing
- 7. revive other eecpssi
- 8. he hoped to rapidly enadacy the field
- 9. the research will result in nitoannvois
- 10. etenbif biotechnology and health care
- 11. the Apollo imnssois to the moon
- 12. irepomy our lives

Answers - Synonym Match

	-,			
1. f	2. d	3. i	4. b	5. g
6. j	7. a	8. e	9. h	10. c

- improve our lives
- b. techniques
- to the moon C.
- over 4,000 years ago
- biotechnology
- f. back the woolly mammoth
- species de-extinction q.
- of everyday products h.
- of the Asian elephant i.
- in gene editing i.

Role Play

Role A - De-extinction

You think de-extinction is the best use of genetics. Tell the others three reasons why. Tell them what is wrong with their things. Also, tell the others which is the least useful of these (and why): GM food, growing organs or personalised medicine.

Role B - GM Food

You think GM food is the best use of genetics. Tell the others three reasons why. Tell them what is wrong with their things. Also, tell the others which is the least useful of these (and why): deextinction, growing organs or personalised medicine. _

Role C - Growing Organs

You think growing organs is the best use of genetics. Tell the others three reasons why. Tell them what is wrong with their things. Also, tell the others which is the least useful of these (and why): GM food, de-extinction or personalised medicine.

Role D - Personalised Medicine

You think personalised medicine is the best use of genetics. Tell the others three reasons why. Tell them what is wrong with their things. Also, tell the others which is the least useful of these (and why): GM food, growing organs or de-extinction.

Speaking - Genetics

Rank these with your partner. Put the best uses of genetics at the top. Change partners often and share your rankings.

- De-extinction
- Increasing intelligence
- GM food
- Personalised medicine
- Growing organs
- Ending hereditary diseases
- Partner matching
 Choosing eye colour

Answers - True False

1 F 2 T 3 F 4 T 5 F 6 T 7 T 8

Answers to Phrase Match and Spelling are in the text.