

Fill in the gaps with one of the words from the box in the correct form:

preserve	modify	detect	harvest	resemble	resist
reproduce	alter	breed	hail	spark	cross
				come upon	transmit

1. GENETICALLY MODIFIED PIG HEART TRANSPLANTED INTO A MAN. (TRUE)

Xenotransplantation — the process of implanting an organ from one animal species to another — took a leap forward in January 2022, when a 57-year-old man with terminal heart disease received the first-ever transplant of a genetically 1)_____ pig heart. The patient lived for 61 days. Researchers have been working on this new pig-to-human transplantation technique for over 30 years. If successful, 2)_____ hearts from pigs, whose genes have been 3)_____ so that they can be safely transplanted to humans, may one day be a reality.

2. A TEAM OF ITALIAN RESEARCHERS FOUND WATER ON MARS. (FALSE)

In July 2018, it was revealed that European Space Agency's Mars Express orbiter had 4)_____ a massive underground lake hiding under the surface of Mars. A team of Italian researchers poked at the polar ice caps on the Red Planet with a radar and uncovered a lake that stretches about 20km across and 1.5km deep. Previous discoveries have only been around temporary trickles of water and so to have found a massive reservoir of liquid hidden underground was 5)_____ as a very exciting discovery.

3. A CHINESE RESEARCHER CLAIMED TO MAKE THE WORLD'S FIRST GENETICALLY EDITED BABIES. (TRUE)

A Chinese researcher said he altered the DNA of twin girls born earlier this month to try to help them 6)_____ possible future infection with the AIDS virus — a dubious goal, ethically and scientifically, which 7)_____ widespread backlash from medical and bioethics experts.

4. SAME SEX MICE GAVE BIRTH (TRUE)

Baby-making science has 8)_____ a new threshold, at least in rodents. A team of scientists in China has managed to 9)_____ mice with same-sex parents using a breakthrough technique involving stem cells and gene editing. Researchers at the Chinese Academy of Science have produced healthy mice with two mothers, who were then able to go on to 10)_____ themselves. Mice with two fathers were also born during the study, but only survived for a matter of hours.

5. DISCOVERY OF A 30,000-YEAR-OLD BABY DINOSAUR. (FALSE)

In July 2022, paleontologists in the Yukon region of Canada were astonished to 11) _____ the most complete remains of a woolly mammoth ever recorded. Whereas elsewhere only the bones of such creatures usually remain, this region's icy temperatures acted as a freezer to 12) _____ the muscle, skin, and DNA of Nun cho ga, as the female baby mammoth is known. It is surmised that the infant lived more than 30,000 years ago.

6. MUSHROOMS AND OTHER FUNGI CAN PRODUCE AND HEAR ULTRASONIC SOUND. (FALSE)

Computer scientist Andrew Adamatzky from the University of the West of England analyzed electrical activity from four species of fungi and published his findings last Wednesday in the journal Royal Society Open Science. He found that spikes in electrical activity were used by fungi to communicate and 13) _____ information to other fungi in their network. The study found that the electrical signals generated by fungi can 14) _____ a language. The spikes can be grouped into "words" and "sentences," and according to the study, these fungi can have a vocabulary of up to 50 "words."