



# IAT Tech Month



## Quiz Answers

1. In what year did Watson and Crick discover the double helix structure of DNA?

James Watson and Francis Crick discovered the double helix structure of DNA in **1953**. They published their findings in the journal Nature on April 25, 1953

2. The Register of Animal Technologists was established to promote professionalism in laboratory animal care and enhance standards of animal welfare. In what year was it established?

The Register of Animal Technologists was established in **1985**

3. Polymerase chain reaction (PCR) was invented by American biochemist Kary Mullis. In what year?

PCR was invented in **1983** by American biochemist Kary Mullis at Cetus Corporation. Mullis and biochemist Michael Smith, who had developed other essential ways of manipulating DNA, were jointly awarded the Nobel Prize in Chemistry in 1993

4. In which year did Christiaan Barnard perform the first successful heart transplant

The first successful human heart transplant was performed on December 3, **1967** at Groote Schuur Hospital in Cape Town, South Africa. The patient was Louis Washkansky, a 53-year-old grocer, and the surgeon was Christiaan Barnard

5. The first mammal to be cloned from an adult somatic cell was Dolly the Sheep, born in July 1996. But in which year did Dolly die?

Dolly the sheep was euthanised on February 14, **2003** at the age of six and a half years. The cause of death was an incurable lung tumor, which was caused by a virus that infected many sheep at the Roslin Institute in Scotland.



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## Quiz Answers continued

6. In 1998, the UK banned animal testing for finished cosmetics and ingredients intended for vanity products. In what year did the UK announce that it would not grant new licenses for animal testing on cosmetic chemicals?

The UK announced a ban on new licenses for animal testing of cosmetic chemicals on May 17, **2023**. The ban was issued by the UK Home Secretary, Suella Braverman

7. The Animals in Science Education Trust (AS-ET) is a charity providing grants to support technician education. In what year was it established?

The Animals in Science Education Trust (AS-ET) is a charity registered under UK Charity law with the objective of advancing education and promoting excellence in the care and welfare of animals used in science. It was established in **2010**

8. Stanley B. Prusiner won a Nobel Prize for his discovery of Prions. In what year?

Stanley Prusiner was awarded the Nobel Prize in Physiology or Medicine in **1997** for his work in proposing an explanation for the cause of bovine spongiform encephalopathy ("mad cow disease") and its human equivalent, Creutzfeldt–Jakob disease.

9. Louise Brown was the worlds first "Test Tube Baby". In what year was she born?

Louise Joy Brown was born on 25 July **1978**. She is noted as the first human born following conception by in vitro fertilisation (IVF). Her birth, following a procedure pioneered in Britain, has been lauded among "the most remarkable medical breakthroughs of the 20th century".

10. The Animals (Scientific Procedures) Act became UK law in 1986. It replaced the Cruelty to Animals Act but in which year did that come into force?

The Cruelty to Animals Act **1876** was an Act of Parliament which set limits on the practice of, and instituted a licensing system for animal experimentation. The Act was replaced 110 years later by the Animals (Scientific Procedures) Act 1986