

# Advanced Medical Knowledge: Dates, Names, and Numbers

Medicine · Practice Test · 12 Questions

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**1. In what year was the first successful kidney transplant performed between non-identical twins, a landmark in organ transplantation?**

- A) 1954
- B) 1962
- C) 1970
- D) 1983

**2. Who is credited with discovering penicillin, and in what year did his initial observation of its antibacterial properties occur?**

- A) Louis Pasteur, 1865
- B) Alexander Fleming, 1928
- C) Jonas Salk, 1955
- D) Robert Koch, 1882

**3. The first successful heart transplant was performed by Dr. Christiaan Barnard on December 3, 1967. In which hospital did this historic operation take place?**

- A) Massachusetts General Hospital, USA
- B) Guy's Hospital, London
- C) Groote Schuur Hospital, Cape Town
- D) Mayo Clinic, USA

**4. What was the exact dosage of the first dose of insulin administered to a human patient, Leonard Thompson, in Toronto in 1922?**

- A) 15 units
- B) 30 units
- C) 5 units
- D) 10 units

**5. The World Health Organization (WHO) declared the global eradication of smallpox on what specific date?**

- A) May 8, 1980
- B) July 4, 1979
- C) December 31, 1981
- D) January 1, 1980

**6. In 1953, James Watson and Francis Crick published their groundbreaking paper on the structure of DNA. In which scientific journal did this seminal work first appear?**

- A) The Lancet
- B) Nature
- C) Science
- D) Cell

**7. The discovery of the first antibiotic, sulfonamides, is often attributed to Gerhard Domagk in 1932. What was the chemical name or brand of this pioneering drug?**

- A) Penicillin G
- B) Streptomycin
- C) Prontosil
- D) Chloramphenicol

**8. The human genome project was officially launched in 1990. Approximately how many base pairs does the human genome contain?**

- A) 3 million
- B) 300 million
- C) 3 billion
- D) 3 trillion

**9. Who developed the first successful polio vaccine (inactivated polio vaccine, IPV), and when was it licensed for public use in the United States?**

- A) Albert Sabin, 1961
- B) John Enders, 1952
- C) Jonas Salk, 1955
- D) Maurice Hilleman, 1960

**10. The first documented use of anesthesia in surgery was by William T.G. Morton on October 16, 1846, using what agent?**

- A) Chloroform
- B) Nitrous Oxide
- C) Ether
- D) Halothane

**11. The Centers for Disease Control and Prevention (CDC) was established in 1946. What was its original name and primary focus?**

- A) National Institute of Health; research
- B) Communicable Disease Center; disease surveillance
- C) Public Health Service; sanitation
- D) Bureau of Animal Industry; zoonotic diseases

**12. What was the approximate mortality rate of the 1918 influenza pandemic (also known as the Spanish Flu) among infected individuals globally?**

- A) Less than 1%
- B) 1-2%
- C) 5-10%
- D) Over 20%