

Advanced Medical Knowledge: Dates, Names, and Numbers

Medicine · Answer Key · 12 Questions

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%