

# Milestones in Pharmacology

Pharmacology · Answer Key · 25 Questions

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**1. Who is credited with the discovery of penicillin, the first true antibiotic, in 1928?**

- A) Alexander Fleming**
- B) Louis Pasteur
- C) Robert Koch
- D) Joseph Lister

**2. What was the first synthetic drug developed to treat a specific bacterial infection, syphilis?**

- A) Salvarsan**
- B) Aspirin
- C) Insulin
- D) Morphine

**3. Which company first mass-produced aspirin in a stable tablet form in 1899?**

- A) Bayer**
- B) Pfizer
- C) Merck
- D) Novartis

**4. In 1921, which substance was first successfully isolated to treat diabetes?**

- A) Insulin**
- B) Penicillin
- C) Digitalis
- D) Quinine

**5. What is considered the first effective treatment for malaria, derived from the bark of the cinchona tree?**

- A) Quinine**
- B) Aspirin
- C) Codeine
- D) Caffeine

**6. Which drug was the first to be approved by the FDA as an oral contraceptive in 1960?**

- A) Enovid**
- B) Provera
- C) Depo-Provera
- D) Mifeprex

**7. Which substance, isolated from the willow tree, was the precursor to modern aspirin?**

- A) Salicin**
- B) Atropine
- C) Nicotine
- D) Morphine

**8. What was the first local anesthetic to be discovered and used in surgery?**

- A) Cocaine**
- B) Lidocaine
- C) Procaine
- D) Benzocaine

**9. Which German scientist is known as the 'father of chemotherapy' for his work on 'magic bullets'?**

- A) Paul Ehrlich**
- B) Robert Koch
- C) Emil von Behring
- D) Gerhard Domagk

**10. What was the first sulfonamide antibiotic to be marketed, revolutionizing the treatment of bacterial infections?**

- A) Prontosil**
- B) Penicillin
- C) Streptomycin
- D) Tetracycline

**11. Which vaccine, developed by Edward Jenner in 1796, is considered the first successful vaccine in history?**

- A) Smallpox**
- B) Polio
- C) Rabies
- D) Influenza

**12. What was the first drug to be synthesized in a laboratory, created by Friedrich Wöhler in 1828?**

- A) Urea**
- B) Aspirin
- C) Morphine
- D) Cocaine

**13. Which organization was the first to establish international standards for the quality and purity of medicines?**

**A) World Health Organization**

- B) FDA
- C) AMA
- D) EMA

**14. What was the first opioid alkaloid to be isolated from the opium poppy in 1804?**

**A) Morphine**

- B) Codeine
- C) Thebaine
- D) Papaverine

**15. Which drug was the first to be discovered through systematic screening of soil samples for antibiotics?**

**A) Streptomycin**

- B) Penicillin
- C) Vancomycin
- D) Erythromycin

**16. What was the first antidepressant drug, originally developed for tuberculosis in the 1950s?**

**A) Iproniazid**

- B) Prozac
- C) Zoloft
- D) Lexapro

**17. Which chemical compound was the first to be used as a general anesthetic during surgery in 1846?**

**A) Ether**

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

**18. What was the first widely used drug to treat high blood pressure, introduced in the 1950s?**

**A) Reserpine**

- B) Lisinopril
- C) Atenolol
- D) Losartan

**19. Which vitamin was the first to be chemically synthesized in 1933?**

- A) Vitamin C**
- B) Vitamin A
- C) Vitamin B12
- D) Vitamin D

**20. What was the first statin drug to be approved by the FDA for lowering cholesterol?**

- A) Lovastatin**
- B) Simvastatin
- C) Atorvastatin
- D) Rosuvastatin

**21. Which substance was the first to be used as an antiseptic during surgery by Joseph Lister?**

- A) Carbohic acid**
- B) Iodine
- C) Hydrogen peroxide
- D) Alcohol

**22. What was the first medication used to treat gout by inhibiting uric acid production?**

- A) Allopurinol**
- B) Colchicine
- C) Probenecid
- D) Febuxostat

**23. Which drug was the first to be identified as a proton pump inhibitor for stomach ulcers?**

- A) Omeprazole**
- B) Lansoprazole
- C) Pantoprazole
- D) Rabeprazole

**24. What was the first antihistamine drug developed for the treatment of allergies?**

- A) Phenbenzamine**
- B) Diphenhydramine
- C) Loratadine
- D) Cetirizine

**25. Which drug is recognized as the first monoclonal antibody approved for human therapeutic use in 1986?**

**A) Muromonab-CD3**

B) Rituximab

C) Trastuzumab

D) Infliximab