

The first antibiotic discovered was

- A. Bacteria
- B. Insect
- C. Penicillin
- D. Virus

Show Answer...

Correct Answer: C (Penicillin)

Explanation:

Penicillin was the first antibiotic discovered by Alexander Fleming in 1928. While working with *Staphylococcus* bacteria, Fleming observed that a mold called *Penicillium notatum* had contaminated one of his petri dishes and was inhibiting the growth of the bacteria. This discovery led to the development and production of penicillin as an antibiotic.

Penicillin is a type of beta-lactam antibiotic that works by inhibiting the synthesis of bacterial cell walls. It is effective against many types of bacteria, including streptococci, pneumococci, and staphylococci. Penicillin is still widely used today to treat various bacterial infections, although some bacteria have developed resistance to this antibiotic.

Since the discovery of penicillin, many other antibiotics have been discovered and developed. These include tetracyclines, macrolides, fluoroquinolones, and many others. Each type of antibiotic has a unique mechanism of action and spectrum of activity.

In summary, the first antibiotic discovered was penicillin, which revolutionized the treatment of bacterial infections. Its discovery paved the way for the development of many other antibiotics and has saved countless lives over the years.

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