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EVOLUTION OF ANTIBIOTICS, THEIR IMPACT ON HUMAN GENETICS AND STATE OF THE ENVIRONMENT

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very and development of the research on antibiotics

etracycline were found in the remains of a human m the historic Sudanese region of Nubia.

Anthony van Leeuwenhoek is the first who saw bacteria

lall presented to the Royal Society experiments with otatum.

Alexander Fleming notices that the fungus Penicillium aminated the entire culture plate with staphylococcus.

eutical company Bayer develops the first synthetic drug, prontosyl

age" of antibiotics begun. During this period, most of the piotics used today for treatment, such as tetracycline and were invented.

detection of new drugs suddenly fell. The problem of l been growing

happens when bacteria change and become resistant to treat the infections they cause.



tients not finishing Over-use of antibiotics in their treatment livestock and fish farming

The mechanism of antibacterial action of the drug is mainly explained by two mechanisms:

- chemical intervention in the synthesis or function of vital components of bacteria and / or
- avoidance of the usual mechanisms of antibacterial resistance.





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