Copy of a printed diagram referenced as "Life cycle of phages"

Contributors

Wilkins, Maurice Hugh Frederick, 1916-2004

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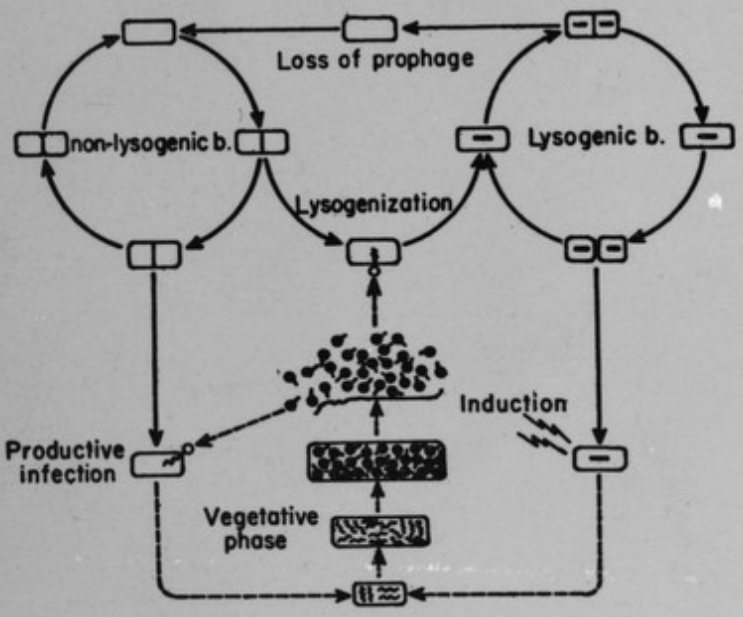
icture of the virus.

II. The Bacteriophage

A bacteriophage is a particle built up of nucleic acid and protein and provided with a tail. When the tip of the tail meets a receptive bacterium, it attaches itself to the bacterial wall. Then the genetic material of the phage, mostly nucleic acid, passes into the bacterial cytoplasm. The infected



The life cycle of a temperate bacteriophage. The prophage is represented by a dash; b = bacterium.

How is phage reproduced during the vegetative phase? It is admitted that the phage constituents, the amino acids, the purine and pyrimidine bases, and