

With the aid of a well labelled diagram, explain the structure of a bacterial Prototrophs Palatrophs. Vrite short note on the following -cell. Heterotrophs Lithotrophs braw a typical bacterial growth curve and label the various phases. autotrophs (ii) hemotrophs the first phase of bacterial growth curve, the number of bacteria remains onstant. Does this mean the cells are dormant and inert? Explain. h inoculum of 107 bacterial cells was introduced into a flask of culture and growth monitored. No change was seen for 18 minutes (the lag phase), bwth occurred rapidly. After a further 76mins, the population had fine Nutrition. List the two categories of essential nutrient required by to 4.32 x 108 cells. What is the doubling time? shlight the sources and importance of the following essential nutrients Nitrogen Oxygen Hydrogen Sulfur Carbon