Science 8	Name_____
POPULATION OF BACTERIA	Assignment #____ Period_____

Population of Bacteria over Time

To Do:

I. This graph was made to show growth of a Bacteria Population over time. The scientist started with 5 bacteria and measured the time in minutes.

1)   How many hours were recorded? _____

2)   Choose possible reasons for why the population falls (goes down)?
   A)   Temperature change   _____
   B)   Crowding _____
   C)   Waste buildup _____
   D)   Addition of Antibiotic _____

3)   Draw vertical lines on the graph to estimate the population at
        about 100 minutes? ___; 200 minutes? ___; 300 minutes?___

4)   Fill in the correct labels for the ?'s on the graph.

Have Checked._____

II. Use the T-Chart to show the population of bacteria to 300 minutes as IF no bacteria had died. Start with 5 and assume that each reproduces (divides) every 30 minutes. Add a line to the above graph. Use a ruler to extend the graph.

Min	Bacteria Population		Min	Bacteria Population
0	5			
30				
				Have Checked._____