Bacterial Growth

Name _____
Date _____ Hour _____

If a single bacterium, under ideal growth conditions, can divide into two new cells every twenty minutes, calculate the number of bacteria present after twelve hours by completing the following chart. HINT: Simply double each new number for each twenty minute time interval. The first four numbers are given to you as an example.

Time	Number of Bacteria
0 minutes	1
20 minutes	2
40 minutes	4
1 hour	8
1 hour, 20 minutes	
1 hours, 40 minutes	
2 hours	
2 hours, 20 minutes	
2 hours, 40 minutes	
3 hours	
3 hours, 20 minutes	
3 hours, 40 minutes	
4 hours	
4 hours, 20 minutes	
4 hours, 40 minutes	
5 hours	
5 hours, 20 minutes	
5 hours, 40 minutes	

6 hours	
6 hours, 20 minutes	
6 hours, 40 minutes	
7 hours	
7 hours, 20 minutes	
7 hours, 40 minutes	
8 hours	
8 hours, 20 minutes	
8 hours, 40 minutes	
9 hours	
9 hours, 20 minutes	
9 hours, 40 minutes	
10 hours	
10 hours, 20 minutes	
10 hours, 40 minutes	
11 hours	
11 hours, 20 minutes	
11 hours, 40 minutes	
12 hours	