

Student Score = 20

- c. Compare your amoxicillin graph with your selected multi-drug cocktail graph. Explain what causes the difference in the bacterial population as illustrated in the graphs between $t=96$ minutes and $t=144$ minutes.

The difference in bacterial population illustrated in the graphs is the graph that I drew the bacterial population grows back. In graph A the bacterial population continues to decrease. The bacteria grow back in the amoxicillin graph because the resistant bacteria were able to reproduce more resistant bacteria. In the multi-drug graph the bacteria that are resistant to amoxicillin receive any other drugs that they're not resistant to.

Student Response

The difference in bacterial population illustrated in the graphs is the graph that I drew the bacterial population continues to decrease. The bacteria grow back in the amoxicillin graph because the resistant bacteria were able to reproduce more resistant bacteria. In the multi-drug graph the bacteria that are resistant to amoxicillin receive any other drugs that they're not resistant to.