



- Q1. Compare and contrast the Gram positive and Gram negative bacterial cell envelope.
- Q2. Compare and contrast the procaryotic and eucaryotic cell.
- Q3. Write an essay entitled "Gene mutation in bacteria".
- Q4. Discuss the translation of messenger RNA (mRNA) into protein.
- Q5. Describe the details of at least two methods used to enumerate microbial cells.
- Q6. Write a short essay entitled "Methods used to control microbial growth".
- Q7. Define the term chemolithotrophy. Describe the mechanisms whereby chemolithotrophs obtain energy and reducing power for growth.
- Q8. Outline the main characteristics of bacterial fermentation pathways. In your answer give examples of specific fermentation pathways.