

The Lives of Staph Analysis Questions

Respond to the following questions using the knowledge gained from the game.

1. What happened to your population when you had enough resources and a stable environment?
2. What events caused bacterial populations within your group to increase?
3. What events caused bacterial populations within your group to decrease?
4. Could you predict when a mutation would happen or what kind it would be?
5. Predict what would happen if you continued to play the game for another 1–2 hours.
6. How would you define evolution? Consider what happened in the game in your answer.
7. Do individuals evolve independently or do they evolve as a population? Use evidence from the game to support your claim.

Appendix E: The Lives of Staph Analysis Questions

8. Based on your experience during the game, how would you define the term “antibiotic”?

9. Based on your experience during the game, how would you define “antibiotic resistance” for bacteria?

10. Why is bacteria’s antibiotic resistance a problem for human beings?

11. Predict what would happen to human beings if this resistance continues.