

Name _____

The Battle of Antibiotics: How Bacteria Develop Resistance

Short Answer

1. How do bacteria develop resistance to antibiotics through genetic mutation?
2. What is horizontal gene transfer, and how does it contribute to antibiotic resistance?
3. How does overuse and misuse of antibiotics accelerate the development of antibiotic resistance?
4. What role does biofilm formation play in protecting bacteria from antibiotics?
5. Explain how efflux pumps contribute to antibiotic resistance in bacteria.

