

Name \_\_\_\_\_

## Antibiotic Resistance: The Growing Threat to Public Health

### Open-Ended Response Answer Key

1. Consequences of antibiotic resistance include treatment failure, increased morbidity and mortality, healthcare-associated infections, and economic burden. These consequences can strain healthcare systems, increase healthcare costs, and compromise patient outcomes.
2. Addressing antibiotic resistance requires collaboration among healthcare providers, policymakers, researchers, pharmaceutical companies, and the public. Stakeholders must work together to promote responsible antibiotic use, implement infection prevention and control measures, develop new antibiotics, and enhance surveillance efforts.
3. In a scenario where a patient with a severe infection is treated with antibiotics, but the bacteria are resistant to the prescribed medication, treatment failure may occur. This could lead to worsening symptoms, prolonged illness, and an increased risk of complications, ultimately resulting in higher morbidity and mortality rates.

