

Name \_\_\_\_\_

## Unveiling the Antibiotic Arsenal: Exploring the Main Types of Antibiotics

### Multiple Choice Questions

1. How do penicillins work to combat bacterial infections?
  - A) By boosting the immune system
  - B) By disrupting bacterial cell wall synthesis
  - C) By destroying viral DNA
  - D) By reducing inflammation
  
2. Which group of antibiotics is commonly used to treat infections resistant to penicillin?
  - A) Macrolides
  - B) Tetracyclines
  - C) Cephalosporins
  - D) Fluoroquinolones
  
3. What is the main target of macrolides in bacterial cells?
  - A) Bacterial DNA replication
  - B) Bacterial cell wall synthesis
  - C) Bacterial protein synthesis
  - D) Bacterial ribosomes
  
4. How do tetracyclines interfere with bacterial protein synthesis?
  - A) By blocking ribosomes
  - B) By inhibiting DNA replication
  - C) By disrupting cell wall synthesis
  - D) By destroying bacterial DNA
  
5. What is the mechanism of action of fluoroquinolones?
  - A) Disrupting bacterial cell wall synthesis
  - B) Inhibiting bacterial protein synthesis
  - C) Targeting bacterial DNA replication
  - D) Blocking ribosomes

