

Name \_\_\_\_\_

## Evolution in Action: The Fascinating World of Viral Mutations

### Multiple Choice Questions

1. What are mutations in viruses?
  - a) Perfect copies
  - b) Harmful mistakes
  - c) Beneficial changes
  - d) Random errors
  
2. How do viruses replicate?
  - a) By invading living cells
  - b) By building new cells
  - c) By hiding in the environment
  - d) By creating their own cells
  
3. What can mutations in viruses lead to?
  - a) Weaker viruses
  - b) Enhanced spreading abilities
  - c) Decreased infectivity
  - d) Improved immune response
  
4. How do viruses mutate through recombination?
  - a) By exchanging genetic material with other viruses
  - b) By copying their genetic material perfectly
  - c) By hiding from the immune system
  - d) By avoiding replication errors
  
5. What drives the evolution of drug-resistant strains of viruses?
  - a) Weak immune response
  - b) Lack of mutations
  - c) Exposure to antiviral medications
  - d) Small population size

