

Name \_\_\_\_\_

## Harmony in Nature: Understanding Species Interactions in Ecosystems

### Multiple Choice Questions

1. What is predation in an ecosystem?
  - a) Cooperation between two species
  - b) Competition for resources
  - c) Consumption of one organism by another
  - d) Mutual exchange of resources
  
2. How does competition between species affect an ecosystem?
  - a) It increases biodiversity
  - b) It decreases population sizes
  - c) It creates a balanced environment
  - d) It influences the composition of communities
  
3. What is mutualism?
  - a) Interaction where one species benefits at the expense of another
  - b) Interaction where both species benefit
  - c) Interaction where one species benefits while the other is neither helped nor harmed
  - d) Interaction where one species preys on another
  
4. What role do predators play in an ecosystem?
  - a) They control population sizes of prey species
  - b) They compete with other species for resources
  - c) They provide food for herbivores
  - d) They help pollinate flowers
  
5. How do species interactions contribute to the stability of ecosystems?
  - a) By reducing biodiversity
  - b) By creating imbalances in population sizes
  - c) By regulating population sizes and resource availability
  - d) By increasing competition for resources

