

Name \_\_\_\_\_

## Forces and Motion in Nature

### Answer Key

1. Newton's laws of motion apply in the natural world, affecting the behavior of animals and objects in their environments.
2. A squirrel's leap between tree branches relates to Newton's laws when the squirrel pushes off the first branch (action), causing itself to move to the second branch (reaction), following Newton's Third Law.
3. Birds use the forces of lift (upward force) and drag (resistance) to control their flight. They apply these forces by flapping their wings to generate lift and adjusting their wing position to control drag.
4. Another example from nature where forces and motion are interconnected is when fish swim in water. They use their fins and tails to create thrust (forward force) and control their direction, following principles similar to Newton's laws.