### Activity 3: Where Does It Go?

*Directions: Perform the activities and record observations in the table provided.*

<table>
<thead>
<tr>
<th>Situation</th>
<th>Procedure</th>
<th>Observation</th>
</tr>
</thead>
</table>
| Hitting a ball  | • One student throws the ball to the batter.  
                  • The batter hits the ball.  
                  • Record observations. |             |
| Launching a rocket | • Use cardstock to make fins along the sides and a cone for the bottom of the film canister.  
                       • Fill the canister half full with baking soda.  
                       • Fill the remainder of the canister with vinegar.  
                       • Seal quickly with the lid, shake with lid secure, and launch.  
                       • Record observations. |             |

Based on evidence, which of Newton’s laws applied to this investigation? Explain your answer.

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