

PRACTICE

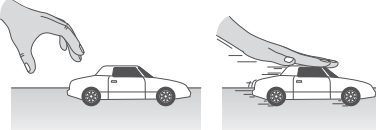
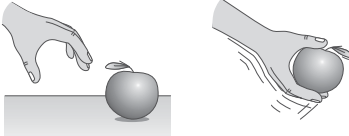
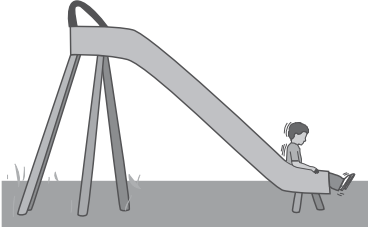
### Activity 3: Following the Energy Changes

Name \_\_\_\_\_

Date \_\_\_\_\_

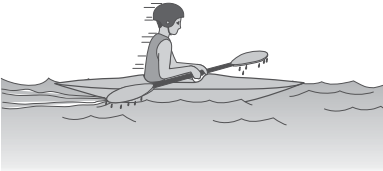
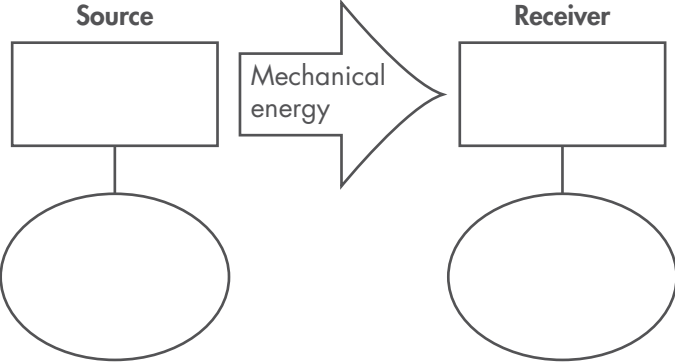
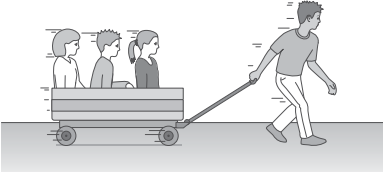
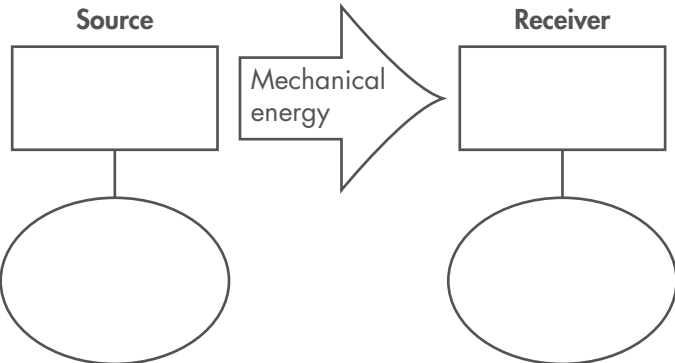

Class \_\_\_\_\_

Complete the energy diagram for each situation below. The first diagram is done for you.

The Event	Interaction	Energy Diagram	
<p><b>Example:</b> A child pushes a toy car that was sitting on the floor.</p> 	<p><i>Applied</i></p>	<p><b>Source</b></p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Child</div> <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 60px; margin: 10px auto; text-align: center;">Decreases in stored chemical energy</div>	<p><b>Receiver</b></p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">Toy car</div> <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 60px; margin: 10px auto; text-align: center;">Increases in motion energy</div>
<p>1. A person tosses an apple to a friend.</p> 	<p><i>Applied</i></p>	<p><b>Source</b></p> <div style="border: 1px solid black; width: 100px; height: 40px; margin: 5px auto;"></div> <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 60px; margin: 10px auto;"></div>	<p><b>Receiver</b></p> <div style="border: 1px solid black; width: 100px; height: 40px; margin: 5px auto;"></div> <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 60px; margin: 10px auto;"></div>
<p>2. A child slows down as he slides down a slide.</p> 	<p><i>Friction</i></p>	<p><b>Source</b></p> <div style="border: 1px solid black; width: 100px; height: 40px; margin: 5px auto;"></div> <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 60px; margin: 10px auto;"></div>	<p><b>Receiver</b></p> <div style="border: 1px solid black; width: 100px; height: 40px; margin: 5px auto;"></div> <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 60px; margin: 10px auto;"></div>

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**PRACTICE** Activity 3: **Following the Energy Changes**

The Event	Interaction	Energy Diagram
<p><b>3.</b> A kayak slows down after the kayaker stops paddling.</p> 	<p><i>Drag</i></p>	<p><b>Source</b>                      <b>Receiver</b></p> 
<p><b>4.</b> A boy pulls a wagon full of friends, making it go faster</p> 	<p><i>Applied</i></p>	<p><b>Source</b>                      <b>Receiver</b></p> 
<p><b>5.</b> A puck slows down as it slides across ice.</p> 	<p><i>Friction</i></p>	<p><b>Source</b>                      <b>Receiver</b></p> 