

PRACTICE


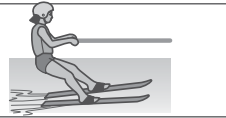

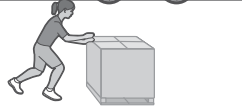
## Activity 2: Pushes, Pulls, and Motion

Name \_\_\_\_\_

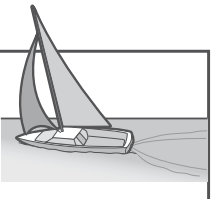
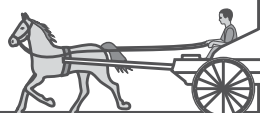
Date \_\_\_\_\_

Class \_\_\_\_\_

1. Draw and label a force arrow for the interaction described in each of the following situations. The first one is done for you.

<p><b>a)</b> A force is exerted by a shopper on a grocery cart (an applied interaction).</p>		<p>force exerted by shopper on cart</p>
<p><b>b)</b> A force is exerted by a motorboat's tow rope on a water-skier (an applied interaction).</p>		
<p><b>c)</b> A force is exerted by a pedaling rider on a bike (an applied interaction).</p>		
<p><b>d)</b> A force is exerted by a person on the crate (an applied interaction).</p>		

Challenge! Think about the direction of the force arrows.

<p><b>e)</b> A force is exerted by the wind on the sailboat (an applied interaction).</p>	
<p><b>f)</b> A force is exerted by the horse on the carriage (an applied interaction).</p>	

2. Suppose that the force arrows you drew represent the only interaction affecting each object's motion in the situations in Question 1. Does each object in Question 1 *speed up*, *slow down*, or *have constant speed*?

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