

SECTION
3
Study Guide
Newton's Third Law
Chapter
2

Directions: Complete the table by naming the action and reaction forces in the following examples.

Example	Action force	Reaction force
1. A flying bird		
2. Two bumper cars collide		
3. Holding your hand out the window of a moving car		
4. Walking		
5. Touching your finger to your nose		

Directions: Complete the following sentences using the correct terms or phrases.

- Newton's third law states, "For every action, there is an equal but _____."
- There is no _____ in time between the action and the reaction.
- One reason it's often easy to miss an action-reaction pair is because of the _____ of one of the objects.
- Action-reaction forces are always the same _____ but are in opposite _____.
- When you swim in water, your arms push the water _____. The water reacts by pushing _____ on your arms, causing your body to accelerate _____.

Directions: Answer the following question using complete sentences.

- How could the action force of a canoe moving through water be increased?
