Name	Class	Date	
Skills Worksheet			
Concept Rev	view		

## Section: Newton's First and Second Laws

1. <b>Interpret</b> the following	ng situations to determine whether an object's velocity is plied force (answer <i>Yes</i> or <i>No</i> ).
	a. A batter hits a baseball upward into right field.
	b. A satellite orbits Earth at a constant speed of 7,000 m/s.
	c. A submarine moves due east at a constant speed of 45 m/s.
	d. A falling book lands on the floor with a precollision speed of 9 m/s.
2. <b>Calculate</b> the acceleration with an unbalanced for	ation of an 82 kg couch that is pushed across the floor cree of 21 N.
	and second laws to explain why an object moving in a tant speed is undergoing acceleration and has a force
4. <b>Determine</b> the force r	needed to accelerate a 1,357 kg car forward at 8.0 m/s <sup>2</sup> .
	ard-facing car seat is safer for an infant than a forward-a collision or abrupt stop.
6. <b>Use</b> the concept of ine that has a mass similar	ertia to illustrate why volleyball is not played with a ball r to a bowling ball.