	1.) Which has more momentum, a supertanker tied securely at the dock or a falling raindrop?
	2.) Is the momentum of a car traveling south different from that of an identical car moving north at the same speed? Explain.
	3.) A pitcher throws a fastball to a catcher. Ignoring air resistance, which player exerts the larger impulse on the ball?
	4.) When you jump off something like a table you let your legs bend at the knees when you strike the floor. Explain why you would do this.
	5.) To catch a fast moving baseball barehanded should your hand be moving or should it be still at the time of contact? Why?
	6.) Is it possible for an object to obtain a larger impulse from a smaller force than it does from a larger force?
· ,	
	7) An archer shoots arrows at a target. Some arrows stick in the target while others bounce back off. If the mass and velocity of each arrow is the same, which arrows would give the greater impulse to the target?

collide with momenta?	cer players come from c each other instead, com	ing to rest in midair.	What can be conclu	ded about their original
backward v	e throws a heavy ball to with the skateboard. If you plain both situations using	ou were standing on th	e ground, however,	you would be able to a

A