Force & Motion Pre-test

A pitcher throws a smokin' fastball to the batter. The batter connects and hits a homerun over the center field wall.



Complete the table below to describe the ball for each of the conditions.

	Just <u>before</u> the ball gets to the batter.	Exactly when the ball and bat make contact.	Just <u>after</u> the ball leaves the bat.
Identify ALL forces acting on the ball.			
Indicate if the forces acting on the ball are balanced or unbalance	ed.		
Indicate if the ball is speeding up, slowing down, or at constant speed.			
2) A car is moving the car balance forces acting o	test re-test above, if necessary. g at a constant 40 mph on a level ed or are the forces unbalanced? In the car that supports your thin cate relative sizes).) Mak	e a sketch to indicate the
· · · · · · · · · · · · · · · · · · ·	itcher throwing the fastball. At v	· · · · · · · · · · · · · · · · · · ·	=