



Hr.__

Momentum and Collisions- Video Questions and Notes Name:

1.	The faster you go the more you have.
2.	Whenever an object is it has momentum.
3.	The faster something is traveling, the more it weighs, and the more mass it has, theof its momentum will transfer.
4.	Why does the quarter only move a little bit?
5.	If you added up all the momentum of all the pieces of the ornament and all the marbles, they would equal the amount of momentum as when the ornament just bounced off the truck.
6.	If you are not moving, then you have momentum.
7.	In a rocket, the momentum of the hot fuel going one way the momentum of the rocket going the other.
8.	 a. He is bouncing two different balls. The momentum of the individual pieces is to the momentum of the bouncing ball. b. That's what we call of momentum.
9.	What makes a soap box car move?
10.	How can rockets zoom through space where there is nothing to push against?
11.	What happens when you drop a tennis ball while it's on top of a falling basketball and why?
12.	Momentum depends on how much things and how they're moving.
13.	How is momentum used on a billiards table?
14.	While you are in a moving car, you and the car / only you have momentum. (Circle one.)
15.	When the car stops, you will keep moving. Which one of Newton's laws is this? (They don't say this in the video. Do you remember?)
16.	In croquet, the momentum of the mallet gets to the ball.
17.	The momentum of the air in the balloon going one way the momentum of the tape/straw/balloo assembly going the other way.
18.	Fly vs. Windshield: Whose momentum wins?
19.	Explain how one of the scenes in the music video involves momentum.
20.	a. At the end Bill says "Excuse me, I've got some and to multiply." b. What variable would that give him?
	b. What variable would that give him?

