Name_

S

Part I: Elastic Collisions





=

S





PHYSICSFundamentals © 2004, GPB 6-06

Name

Part II: Inelastic Collisions





Part III: Explosions

BEFORE EXPLOSION

AFTER EXPLOSION







PHYSICSFundamentals © 2004, GPB 6-07

Conclusion Questions

1. If a truck runs into a wall and stops, the truck loses momentum. Because momentum cannot be created or destroyed, where does it go?

2. Someone throws a heavy ball to you when you are standing on roller skates. You catch it and roll backwards. How does your speed compare to the speed of the ball, and why?

3. A prospector finds himself holding his bag of gold and standing in the middle of a large pond of <u>frictionless</u> ice. How can he get to the side before he freezes?