

Student Name _____ Class Period _____ Today's Date _____

Momentum

Physical Science Topic 23

Momentum is determined by the speed of an object and the direction it is traveling (velocity) of an object and the object's mass. This momentum is conserved as long as there are no new objects added to the system. If a new object is added then the momentum will change in order to maintain a balance in the overall system. Devices can be designed and tested, that will use this balance of forces to minimize the effects of a change in momentum on an object.

1. Momentum is a vector quantity.
2. Momentum is mass in motion, whereas forces are pushes or pulls applied to an object or mass.
3. Momentum is conserved in a collision.

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Copy the Text Here (Use Additional Sheet of Paper, if Necessary)

Summarize the Text in Your Own Words. (Use complete sentences).