

Name: \_\_\_\_\_

# Unit 02 Impulse - Momentum

Complete the crossword below

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### Across

- 4. The mass of an object multiplied by its speed or velocity (**momentum**)
- 5. Force is equal to mass times acceleration. (**Newton's second law**)
- 7. An object's resistance to a change in motion, directly related to its mass (**inertia**)
- 8. For every action there is an equal and opposite reaction. (**Newton's third law**)

### Down

- 1. This law of momentum states that the total system stays constant. (**conservation**)
- 2. An object which is either in motion or at rest wants to remain either in motion or at rest. Unless acted upon by unbalanced force (**Newton's first law**)
- 3. When a force is applied over a period of time resulting in a change in velocity of a mass (**impulse**)
- 6. mass times the change in velocity (**momentum**)

