

Impulse & Momentum (IP) Skill Objectives

What you should know and be able to do by the end of the unit:

1. Define momentum and be able to distinguish between momentum and velocity.
2. Distinguish between elastic and inelastic collisions and identify explosive interactions.
3. Use conservation principles to solve problems involving elastic, inelastic, and explosive interactions for initial velocity, final velocity, mass, or other values.
4. Define impulse and be able to distinguish between impulse and force.
5. Determine the impulse acting upon an object based upon:
 - a.) F vs. t graph
 - b.) the change in momentum
6. Determine the force acting upon an object when given its change in momentum.

• Additional Study Hints

- Look over all our activities, worksheets, and questions of the day.
- Form a study group and review together and quiz each other.