**Momentum**

**Ch 9**

**Objectives:**

**Define** the momentum of an object.

**Determine** the impulse given to an object.

**Relate** Newton’s third law to conservation of momentum in collisions.

**Recognize** the conditions under which momentum is conserved.

**Vocabulary:**

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| --- | --- | --- | --- | --- |
| Impulse | Momentum | Impulse-Momentum Theory | Isolated system | Law of conservation of momentum |
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**Formulas:**

Ρ = mv

Ft = mvf-mvi

mvi = mvf

**Problems to Study:**

Practice Probs. 1-5, 13-21

End of Chapter Probs. 33-36, 56-72