

# Momentum and Collisions Worksheet

## Observations

Record your observations of the collisions between the different balls and their respective blocks.

## Discussion Questions

1. What are the characteristics of an elastic collision? An inelastic collision? A completely inelastic collision? Give at least one example of each.
2. Is total momentum conserved in each type of collision? Is kinetic energy conserved? Is total energy conserved? Explain.
3. Why did one ball knock the block over and the other did not? What would happen if the happy/sad balls were allowed to fall from a greater height?