

Name\_

## 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?

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