

NAME: \_\_\_\_\_ PERIOD: \_\_\_\_\_

**ACTIVITY #13 – MOMENTUM**  
**A PROPERTY OF MOVING OBJECTS**

**PURPOSE:**

**OBSERVATIONS:**

**DATA TABLE #1 – INDIVIDUAL BALL DROP**

BALL	HEIGHT	MAXIMUM REBOUND HEIGHT				
		TRIAL 1	TRIAL 2	TRIAL 4	TRIAL 5	AVERAGE
TENNIS	20 cm					
PPONG	20 cm					

**DATA TABLE #2 – DOUBLE BALL DROP**

BALL	HEIGHT	MAXIMUM REBOUND HEIGHT				
		TRIAL 1	TRIAL 2	TRIAL 4	TRIAL 5	AVERAGE
COMBO	20 cm					

**REPORT:**

- 1) What is momentum?
  
- 2) How do you calculate momentum?
  
- 3) Can an object standing still have momentum?

- 4) **How did the double ball drop compare to the individual ball drop?**
  
- 5) **What is the Law of Conservation of Momentum?**
  
- 6) **Which one of Newton's Laws explains the conservation of momentum?**

**CONCLUSION:**