

<b>Name</b>	
<b>Date</b>	
<b>Lab session (Day &amp; time)</b>	
<b>Lab partner</b>	

## M5 Conservation of Linear Momentum Lab Report

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**A. Answer the following questions BEFORE the lab session (6 pts each)**

1. What is the purpose of using the air track in this experiment?
2. What is the purpose of leveling the air track during the experiment? Suppose the air track was tilted during the experiment, would linear momentum be conserved in the elastic collision? Why or why not?
3. A student suggests to do the collision experiment in a vertical direction inside a vacuum chamber, i.e. two falling objects with the upper one colliding with the lower one, do you think his idea will work? Why?