

School				Mark (10)
Name		HKID		
Class (No.)		Date		

DL8 Conservation of Angular Momentum

Answers to Preview Questions

1. _____

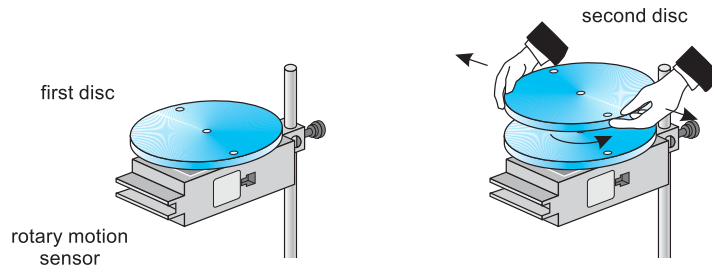
2. _____

3. _____

4. _____

5. _____

Experiment 1 Verifying the Law of Conservation of Angular Momentum



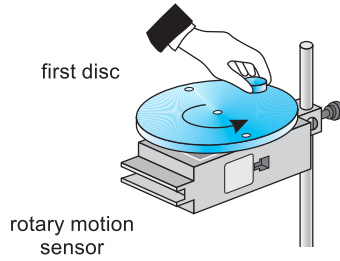
Experiment 1

Table 1

Trial	1	2	3
Angular speed just BEFORE dropping ω ()			
Angular speed just AFTER dropping ω' ()			

Conclusion _____

Experiment 2 Estimating the moment of inertia of the rotating disc



Experiment 1 Step 1

Experiment 2

Mass of the point mass, m _____

Table 2

Trial	1	2	3
Distance of the mass from the center of the disc, r ()			
Angular speed just BEFORE impact, ω ()			
Angular speed just AFTER impact, ω' ()			
Moment of inertia of the disc, I ()			
Average moment of inertia of the disc, I ()			

Answers to Discussion

1. _____

2. _____

3. _____

