

**Scientific Method  
Bounce Back Lab**

**Problem:**

How does the height from which a ball is dropped affect its bounce back height?

**Hypothesis:**


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**Materials:**

bouncy ball  
ruler

**Procedure:**

1. Drop a ball from a height of 50 cm (measure from bottom of ball)
2. Measure the bounce back height (measure from bottom of ball)
3. Repeat from the same height two more times and find the average
4. Repeat steps 1-3 with drop heights of 100cm, 150cm and 200cm
5. Record and analyze results

**Observations:**

Drop Height (cm)	Trial #	Bounce Height (cm)	Average (cm)
50	1		
	2		
	3		
100	1		
	2		
	3		
150	1		
	2		
	3		
200	1		
	2		
	3		

**Conclusion:**


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