

PRACTICAL REPORT TITLE:				
Aim:	States the purpose of the investigation.			
	Explain how you would test the conservation of energy			
Hypothesis:	Make a scientific prediction about the relationship between two variables.  Explain this prediction using your scientific understanding.  (Link to the factors affecting the conservation of energy)			
Variables	ALL Independent Variables listed and explained: The variable that we control and change			
	ALL Dependent Variables listed and explained: The variables that are measured			
	ALL Constant Variables: Things that stay the same for the entire investigation			
Independent	:			
Dependent: _				
Constant:				
Apparatus:	ALL of the equipment that is used for the investigation (Add Diagram if you can)			



Method:	What you did (Pa	st passive language).	It must be detailed o	and appropriate.			
Contribution:	Your individual ro	le in the group					
Results:			ganised, transformed	and presented in a table			
	with heading and correct units.						
	Add more rows a	nd columns if necess	ary.				
laitial Uniabt 1							
Initial Height 1		Total O	T1-2				
(Type of bal	() Test 1	Test 2	Test 3				



1 Test 2	Test 3		
1 Test 2	Test 3		
	+	+	
•	•	•	
/h1)x100%			
Type 1: Ball Typ	e 2: Ball Typ	e 3:	
+			
	/h1)x100%	/h1)x100%	/h1)x100%



•		e 2 graphs with correct labels and scale eight vs bouncing back height for each ball			
2.	Ball vs e	efficiency			
<b>D</b> '	.•				
Discus	sion:				
1.		re the efficiency of each ball for each of the drop heights. What factors have			
2.	Explain	ffected the bounce height of the balls and their efficiency?  xplain the energy transformations for a ball when it is dropped from a height and bounces			
3	back.	why the bounce height never equals the drop height			
4.	Explain	xplain two improvements you could make to your method if you had to do the practical			
5.		How would these improvements help the results?  possible sources of error that may have occurred identify which errors are			
	random	and which are systematic. (Random errors are errors that are different for each			
	measur	ement, systematic errors are errors that are the same across all measurements.).			
Conclu	ision:	State your overall conclusion linking it to your results and hypothesis. Discuss the			
Concid		the evidence you have in your results either for or against your hypothesis based on			
		the results obtained.			