

(This lab tests the same skill based learning targets as the other labs but is specific to the energy unit – data collection is from video analysis)

Title of Experiment: _____

Wild Guess Statement: _____

Wild Guess Prediction: _____

Research Question:

Hypothesis: Graph form:

In Words:



IV:

DV:

Controls:
(With Numbers)

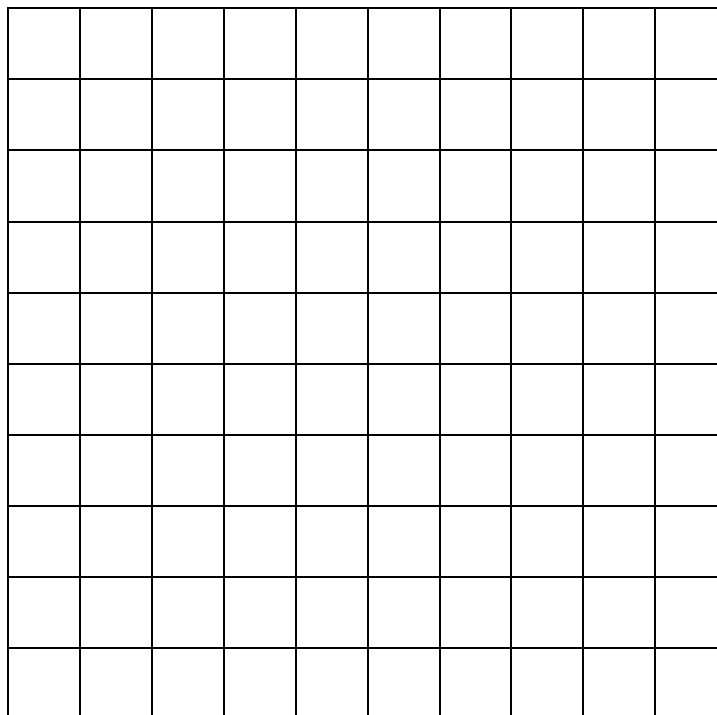
Procedure:

Height (m)	Distance (m)	Time (s)	Final Velocity (m/s)	Gravitational Potential Energy (kg*m ² /s ²)	Kinetic Energy (kg*m ² /s ²)	Total Energy (kg*m ² /s ²)
1	1					
0.8	1					
0.6	1					
0.4	1					
0.2	1					
0	1					

Equation:

 $=$

Graph:

Height
(m)

Final Velocity (m/s)

Conclusion needs to include:

1) Pattern found; 2) Relationship between variables; 3) Mathematical formula; 4) Data driven prediction and confidence; 5) Reasoning for the level of confidence; 6) What is another experiment that could build off this research? (Your research extension question)

Conclusion:
