

Lab Test CL2. Push the Plow

Question:

What is the effect of varying the release location of a marble along an incline upon the distance that the marble pushes a *paper plow* along a level table? What effect does the angle of incline have upon the release location that is required to push the *paper plow* the same distance?

Purpose:

To determine the effect of the release location (distance from the bottom) of a marble along an incline upon the distance that a *paper plow* is pushed along the level table; and to determine how a change in the angle affects the release location that is required to push the *paper plow* the same distance.

Your task involves accomplishing this purpose. Record and plot data below and on the reverse side, write a Conclusion/Discussion in which you answer the questions posed in the Purpose and discuss specific evidence that supports such answers. Your evidence should be clearly and logically written with very specific references to data values.

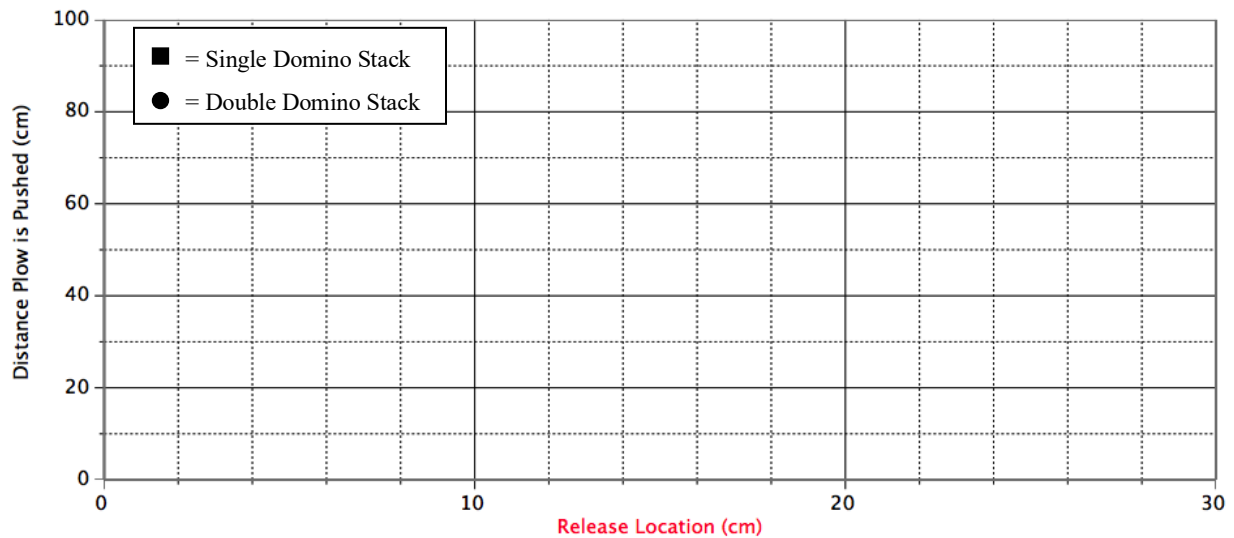
Data Table:

Single Domino Stack

Trial	Release Location (cm)	Dist. Plow is Pushed (cm)
1	5.0	
2	10.0	
3	15.0	
4	20.0	
5	25.0	
6	30.0	

Double Domino Stack

Trial	Release Location (cm)	Dist. Plow is Pushed (cm)
1		
2		
3		
4		
5		
6		



Conclusion/Discussion on Back.