

Name _____ Period ____ Date _____

Activity: **Factors that affect Friction (Lab)**

- In this activity, you will try to determine the factors that affect friction. You should list include:
- Weight, area of the parts that rub, texture of the surfaces, material of the surfaces, more?
- You will use your spring scale to carefully measure force, in Newtons.
- At the bottom I want you to list the factors that **probably** affect friction and **how** they affect it.
- Use one mass for all trials and then change the mass and repeat for all situations.

Total Mass (kg)	Total Weight (N)	Area in contact (cm ²)	Materials rubbing Top/Bottom	Texture Top/Bottom	Force - to break loose	Force - constant velocity
Mass 1=						
Mass 1=						
Mass 1=						
Mass 1=						
Mass 1=						
Mass 1=						
Mass 2=						
Mass 2=						
Mass 2=						
Mass 2=						
Mass 2=						
Mass 2=						

Notes:

Factor that affect friction:	How that factor might affect friction