

Name: _____

Lab #6: Friction
Pre-Lab
(Due at the beginning of lab period.)

- 1) Please read the appropriate your textbook (Section 6.2 in University Physics from OpenStax) for some background on forces of friction. It will help you answer the following questions, and also give you some grounding for Lab 6.

- 2) Consider a situation where you are attempting to push a wooden block across the lab bench and answer the following questions.
 - (a) Would increasing the weight of the wooden block change the coefficient of friction? Why or why not?

 - (b) Would coating the block in a material like wax change the coefficient of friction? Why or why not?

 - (c) Does the magnitude of your push or pull change the coefficient of friction? Explain.