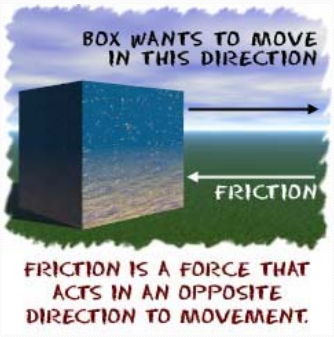
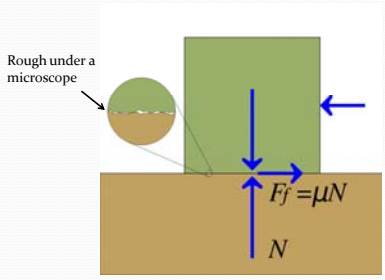
Forces and Friction

Or Not So Smooth

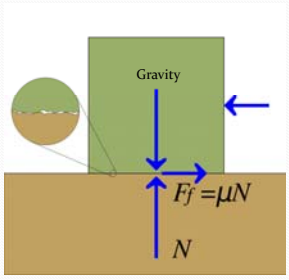
Pp332-336



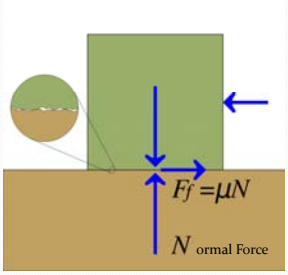
All Surfaces Have Friction



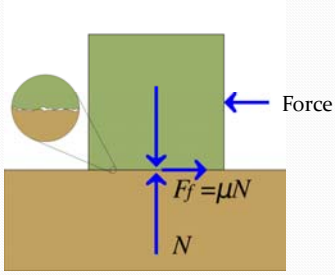
Friction is related to weight



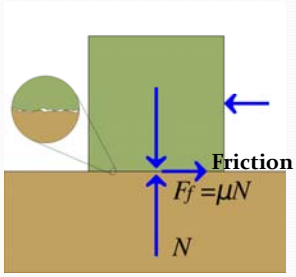
Weight is opposed by the normal force



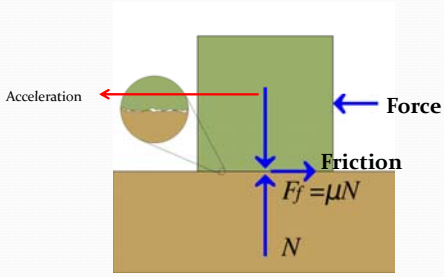
A force acting to move the object



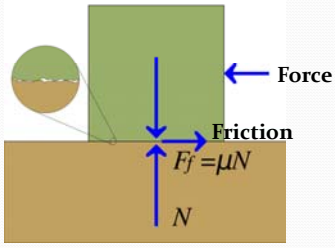
Is opposed by the force of friction



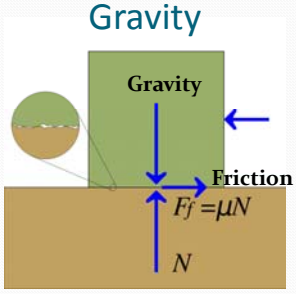
If the Force is larger than Friction, the object will accelerate



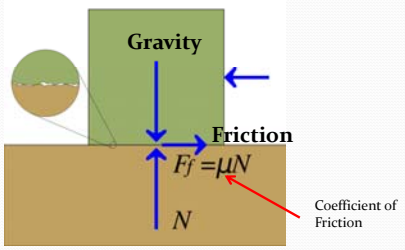
If the Force the same as Friction, the object will remain static or in constant velocity



Friction is always less than Gravity



How much less is dependant on the surfaces



Air Resistance is a Form of Friction

Friction can be Good

Friction can be Good

Or Friction can be Bad