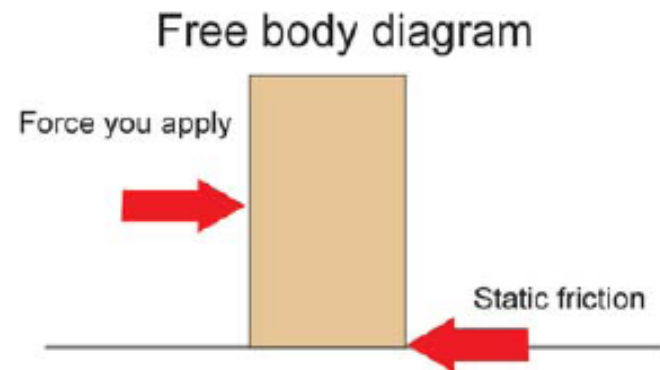


**Please get out the Mass and
Weight worksheet from
yesterday.**

FRICTION

- Force that opposes motion between two surfaces that are touching each other.
- Always acts in a direction to oppose motion.

SECTION 5.1



The amount of friction depends on three things

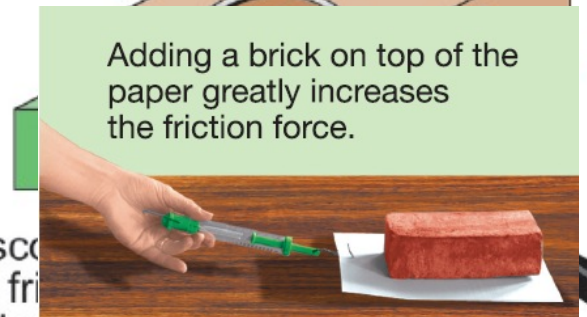
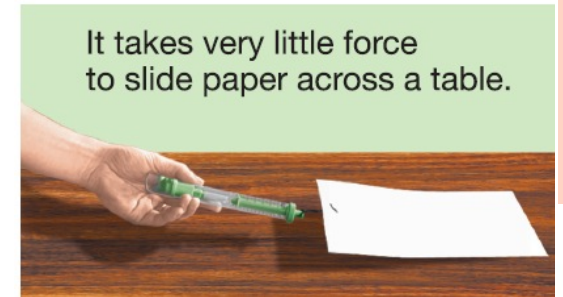
1. Kind of surfaces

1. Smoother surfaces have less friction

2. Force pressing surfaces together

1. The greater the force squeezing two surfaces together, the greater the friction force

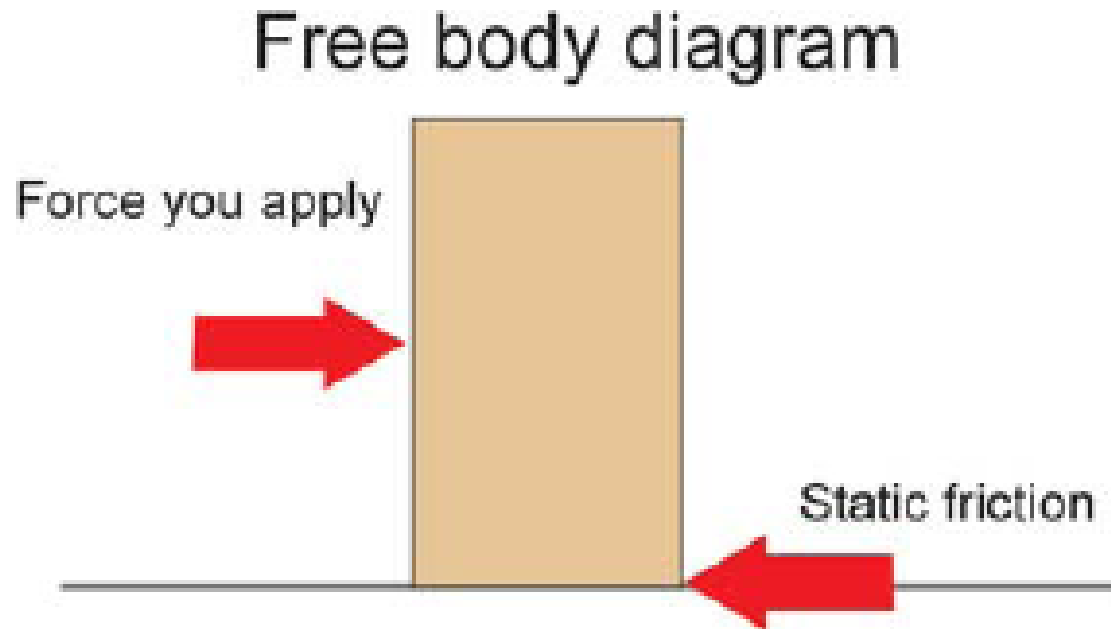
3. Angle of incline of the surfaces



Microscopic
cause fr
smooth surfaces.

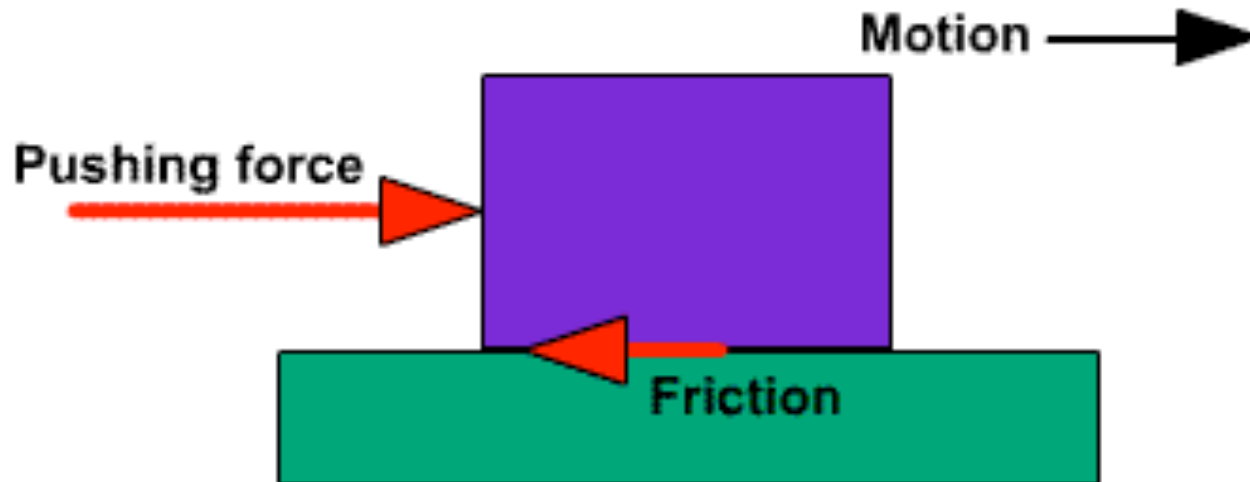
STATIC FRICTION

- Friction between two surfaces that are not moving past each other.



SLIDING FRICTION

- Force that opposes the motion of two surfaces sliding past each other.



- Unless a force is constantly applied, friction will slow all motion to a stop eventually.

