

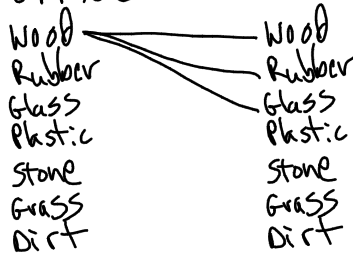
CP Oct 19

Factors that affect Friction (?)

- Weight
- Material
- Texture
- ~~Area~~

Weight if increased,
Friction increases

Materials depends on
the materials in
contact



Texture

- smooth
- Rough
- Ridged

Static Friction

The friction between two surfaces not moving.
Interlocking Bumps (May be Microscopic)

Kinetic Friction

The friction between surfaces that are moving. The surfaces do not interlock as much, and that makes for less friction

Static Friction $>$ Kinetic friction (sliding)

Ways to reduce friction

add a lubricant

it changes which materials are touching.

example BB shoes on floor₂

add water...

- BB shoes on water,
- water on floor

Lubricants

water, oil, grease, blood,

change texture - smooth it out

change the materials in contact

change the weight/pressure