

Friction Lecture

EN _____

Force of Friction

Ex. Riding a bike, speeding along on a flat surface

Stop pedaling and you continue to move to slow to a stop eventually

Why does the bike slow down?

_____ : force that opposes “sliding” motion of two surfaces in contact with each other,

What causes friction?

Four Types of Friction:

1. _____ (STRONGEST): a force that prevents two surfaces, in contact, from sliding past each other.

Ex. You push and push against the bookshelf but it doesn't budge

2. _____ (STRONG): the force that acts in the opposite direction of the sliding motion

3. _____ (WEAK):

easier to move objects on wheels

slows objects on wheels down

4. _____: force that opposes the motion of objects through the air or any fluid