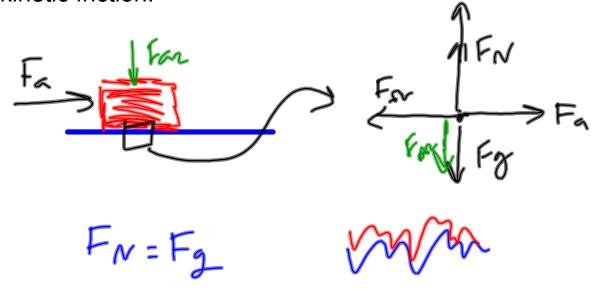
What happens at the transition between not moving and moving?

## Friction Rules

Static Friction: applies as much force as it must in order for acceleration to be zero.

Kinetic Friction: it is constant and it points against the direction that the object moves.

The maximum static friction is larger then the constant kinetic friction.



## Kinetic Friction:

Example: I push a 100kg fridge across the floor at a constant velocity. I push with a force of 600N. what is

Fig. For 
$$F_{\alpha} = F_{\alpha}$$
  $F_{\alpha} = F_{\alpha}$   $F_{$ 

## Static Friction

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The maximum static friction must be surpassed in order for an object to begin to move.