Name: _____

Period: _____

HW—3:2 — Weight, Friction, Equilibrium
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Assigned: Mon., 2/2/04
Due: Wed., 2/4/04

Find the weight of a 3 kg mass. (Use g = 10 m/s^2)

A force pushes a box to the left with 35 N. Friction is 15 N.

Find the net force.

If the car is accelerating with 4 m/s^2, find its mass.

Find the mass of an object with a weight of 35N.

Work on back

Name: _____ **Don't forget the front side**

Period: _____

Number these from least (1) to most (5) inertia..				
A nickel	A car	A brick	A deck of cards	A fast train

A girl sits on a swing that is not moving.

Is she at equilibrium?

Why or why not?

Friction	Equilibrium
Weight	g
Mass	heat

What friction makes:

This changes if gravity changes:

This does not change if gravity changes:

When all the forces are balanced (Fnet = 0)

The acceleration of gravity.