Name: HW— Period:	3:2 — Weight, Friction, Equilibrium Mr. Murray, IPC www.aisd.net/smurray	Assigned: Mon., 2/2/0 Due: Wed., 2/4/0	
Find the weight of a 3 kg mass. (Use $g = 10 \text{ m/s}^2$)	A force pushes a box to the	left with 35 N. Friction is 15 N.	
	Find the net force.		
Find the mass of an object with a weight of 35N.	If the car is accelerating with	h 4 m/s ² , find its mass.	
	W	ork on back	
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Period:			_			Friction Equilibrium Weight g
	Nun	nber these fro	m least (1) to	most (5) ine	ertia	Mass heat
	A nickel	A car	A brick	A deck of cards	A fast train	What friction makes:
						This changes if gravity changes:
	A girl sits on a swing that is not moving. Is she at equilibrium?					This does not change if gravity changes:
						When all the forces are balanced (Fnet $= 0$)
	Why or why	/ not?				The acceleration of gravity.
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					When all the forces are balanced (Fnet = 0)	
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Why or why not?