Physics

force Diagrams Part 2

Name:	Block:
five basic forces that we have been working (F_g) , and normal (F_N) . In each of the scenari	shows all of the forces acting on an object. There are with: applied (F_A) , friction (F_f) , tension (F_T) , gravity to below, read the situation and then draw a force on the object. For example, an airplane is flying at a agram would look like this:
F _{thrust}	F _{air}
1. A bird sitting motionless on a perch.	Force Diagram:
2. Draw a force diagram for a hockey player, moving at a constant velocity, across frictionless ice.	Force Diagram:
3. Draw a force diagram for a baseball player who slows as he slides into the base.	Force Diagram:

4.	Draw a force diagram for the	Force Diagram:
	chandelier which is suspended	
	from the ceiling by a chain.	
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5.	Draw a force diagram for the	Force Diagram:
	bucket of water that is being	
	raised from the well at a constant	
	velocity.	
	Windless	
	A	
	Concrete seal	
	Rock curb	
6.	Draw a force diagram for a	Force Diagram:
Ο,	skydiver who has just left the	g and
	plane and is accelerating toward	
	the ground.	
7.	Draw a force diagram for a	Force Diagram:
	skydiver who is descending at a	
	constant velocity.	
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