	Name: SPM
	Notes - 5.1 Friction
4:	1. What is friction? Friction is a force that opposes the relative motion of 2 objects in contact with 2. When there is relative motion between objects in contact, the friction is called and
	3. When there is no motion between objects in contact, the friction is called
	4. The harder two objects are pushed together, the the friction becomes.
	5. Write the equation for the magnitude of static friction. Ffs Max MsFN 6. Write the equation for the magnitude of kinetic friction Ffs max MsFN
	6. Write the equation for the magnitude of kinetic friction the magnitude of kinetic friction the magnitude of kinetic friction.
	7. Looking at Table 5.1, which coefficient of friction is greater static or kinetic?
	8. From Table 5.1, give the three highest examples of the coefficient of static friction. Rubber on dry concrete 1.0 Shoes on wood 0,9 Rubber on wet concrete 0.7
	9. From Table 5.1, give the three lowest examples of the coefficient of kinetic friction. Bone lubricated by synovial fluid 0,015 Steel on steel (oiled)/1000 1000 0,03
	10. A skier with a mass of 62 kg is sliding down a snowy slope with an incline of 25° with respect to the horizontal. Find the coefficient of kinetic friction for the skier if
	friction is known to be 45.0 N.
	FIR = MRFN mgcos250
	$H_{R} = M_{R} F_{N} \text{magas 25}^{\circ}$ $= M_{R} \text{magas 25}^{\circ} \text{magas 25}^{\circ}$
	mgcs25° (62kg)(9.80 m) cos 25° = 70.082