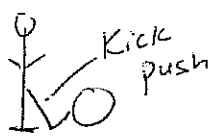
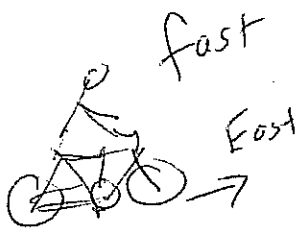
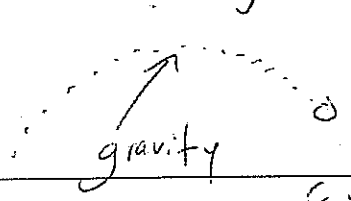
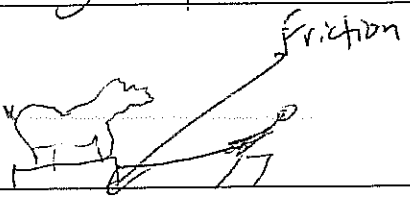
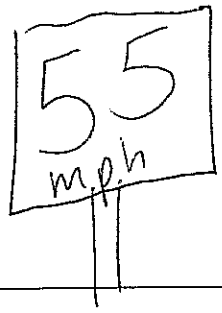
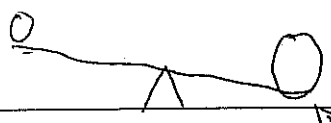
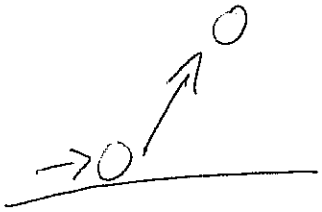
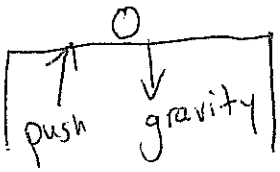
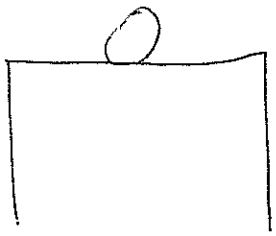
Force and Motion Study Guide

Name _____ #___ Date _____

	Definition	quick pic
Force	Push or pull needed for motion - gravity - Friction	
Motion	Movement. Changing position. Speed Direction Distance (Motion)	 rolling
Gravity	Force that pulls towards center of Earth.	
Friction	Force, push, rubbing slows motion (heat)	
Speed	Distance divided by the amount of time it took to travel that distance.	
Mass	Amount of stuff in an object.	 more mass

Changes in motion	*Speed – faster, slower stop *Direction – N.S.E.W. *Motion – rolling, bouncing, flying, running	
Balanced forces	No motion	
Unbalanced forces	motion	
Newton's Laws of Motion	Part 1: An object at rest will remain at rest, until another force acts on it.	
Newton's Laws of Motion	Part 2: An object in motion will continue in the same speed and same direction until another force acts on it.