



Balanced & Unbalanced Forces: Student Activity Sheet

Name: _____

Date: _____

Part 2: Friction

You will determine how much force is required to move a shoe across the following materials:

60 grit sandpaper
220 grit sandpaper
waxed paper

foam
plastic bag
copy paper

Rank the materials below.

	Prediction	Force Applied	Actual
Most Friction	1.		
	2.		
	3.		
	4.		
Least Friction	5.		
	6.		

Which material caused the most friction? _____ the least? _____

Describe the factors that affect friction _____

Part 3: Magnets & Motion

How were you able to use the force of a magnet to change the direction of the ball? _____

Describe how magnetic force can cause a change in direction. _____

Describe how magnetic force can cause a change in motion. _____

