## Forces on Objects on Rough Surfaces—Velocity Change <sup>34</sup>

Two forces act on identical objects that are on rough surfaces, as shown below. The forces of maximum static and kinetic friction for each case are both 1 N. Rank these situations from greatest change in velocity to least change in velocity. (Note: All vectors directed to the right are positive, and those to the left are negative. Also, 0 m/s > -10 m/s.) All objects start at rest.



How s	ure were	you of you	ır ranking a	? (circle or	ne)					
Basically Guessed				Sure			Very Sure			
1	2	3	4	5	6	7	8	9	10	