

Friction

Ansel slides down the playground slide. He notices that the new pants he is wearing slow him down on the slide. When he mentions this to his friend Sergio, Sergio says the rubbing of Ansel's pants against the slide was caused by something called friction—and it is the friction that made Ansel slow down. Ansel wonders about the other ways friction could occur. Check off all the kinds of contact that could cause friction.



- A** Car tires rolling on the road
 B A magnet on the front of a refrigerator
 C A box sliding down a hill
 D A box sitting on the slope of a hill (not moving)
 E A box sitting on a flat table
 F Rollerblading on a flat road
 G Ice skater gliding on an ice rink
 H Car parked on a steep driveway (not moving)
 I Laundry hanging on a clothesline with clothespins

Explain your thinking. What rule or reasoning did you use to decide what causes friction?
