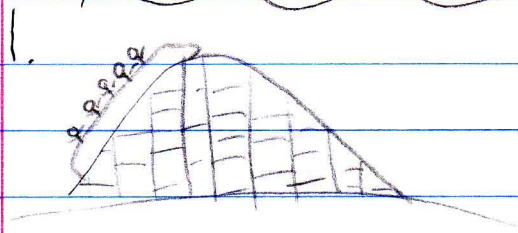
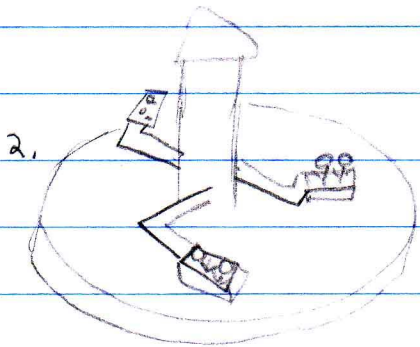


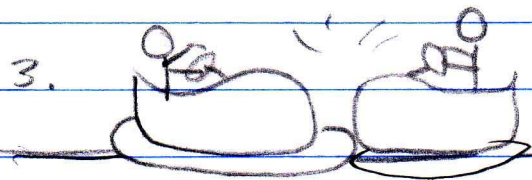
Newton's Laws & Momentum



1st law because:
the train is at rest but it is forced into motion by the chains underneath. When the train is in motion, it would keep moving but the brakes apply a force to stop it.

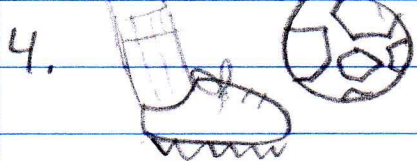


momentum:
when you're spinning and it stops suddenly you continue to move from your inertia & momentum.

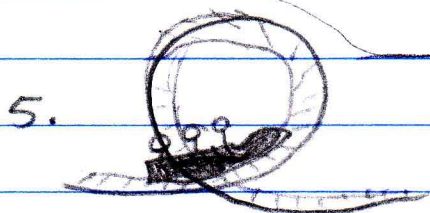


Bumper Cars explain Newton's 3rd Law because when one force is applied the other object pushes back equally.

Newton's 3rd Law



The foot is applying a force to the soccer ball and the soccer ball is pushing back with an equal amount of force, momentum!



Without momentum, the train would not be able to make it around the loop.