

Real Life Applications of Impacts & Collisions

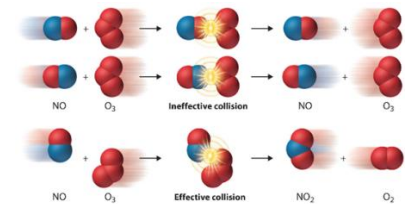
1) The understanding of objects colliding and their paths after collision is essential in a number of different sports including snooker and tennis, in particular. In snooker, players can impart spin to the cue ball, which affects how it moves when it impacts off cushions or other balls.



2) Gardai regularly have to analyse the scene of a traffic accident to establish what exactly happened, and in particular, who was responsible, for the purpose of insurance claims etc. In very serious incidents where witnesses can't help them, they have to piece it together for themselves.



3) Particles are constantly colliding at the sub-atomic level in all materials. Understanding these collisions allows us to predict how substances will behave when they react together.



4) The Hadron Collider in Cern in Switzerland studies and collision of sub-atomic particles. Understanding these collisions is helping to deepen our understanding of space and time.



5) You have learned in Geography about the collision of the earth's tectonic plates and the results/effects of those collisions. The formation of fold mountains and volcanoes all stem from these collisions, so it is vital to understand the collisions, what causes them, and their effects.

