

Answer on Question #43657-Physics-Mechanics-Kinematics-Dynamics

Which fell faster, the open sheet of paper or the crumpled paper? Why?

Answer

The crumpled paper fell faster than the open sheet of paper. Because there is less surface area on the crumpled paper, there is less area upon which the force of friction (air resistance) may act. There is more surface area on the normal piece of paper, which allows friction to act over a greater area on the paper. More air resistance causes the open sheet of paper to fall slower.