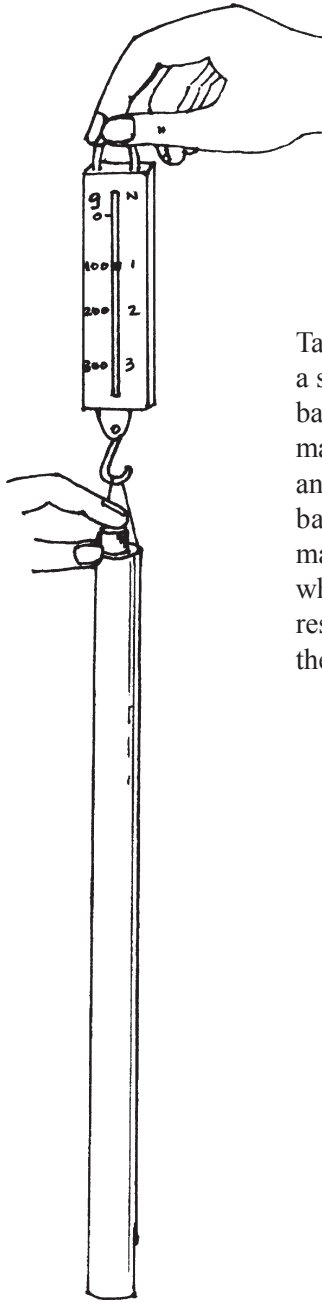


FORCEFUL FALL



Take a long aluminium tube and hang it by a spring balance. Note the reading of the balance. Now take a strong cylindrical magnet (less than the diameter of the tube) and drop it in the aluminium tube. The balance will register an increase. The magnet creates eddy currents in the tube which retard the fall of the magnet. This results in a downward force exerted by the magnet.