describe the effect of balanced and unbalanced forces on a body

Forces on a Body

Balanced forces



Force pushing = friction Reaction force from table = weight of object

Constant Ullocity ~

Unbalanced forces



Force pushing > friction

Reaction from table < weight of object

accelerate



describe the ways in which a force may change the motion of a body



identify forces acting on an object and draw free body diagram(s) representing the forces acting on the object (for cases involving forces acting in at most 2 dimensions)



solve problems for a static point mass under the action of 3 forces for 2-dimensional cases (a graphical method would suffice)



recall and apply the relationship resultant force = mass × acceleration to new situations or to solve related problems



Dr K M Hock



 $\frac{\text{Resultant force}}{Causes} = \frac{10 - 2 \text{ N}}{Causes} \text{ acc election}}$





explain the effects of friction on the motion of a body

