

Questions on Forces

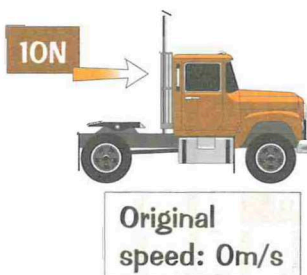
Q1 Fill in the blanks.

repel	newtons	attract	bouyancy	weight
magnetic	electrostatic	attract	friction	surface tension

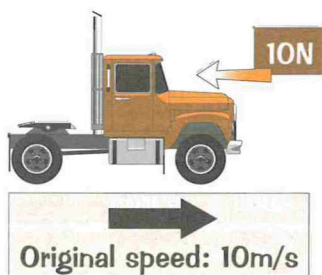
- a) Forces are measured in _____.
- b) _____ is the name given to the force of gravity acting on you.
- c) A plastic rod rubbed with a duster will _____ bits of paper because of an _____ force.
- d) The force which makes things float is called _____.
- e) The force between two magnets is a _____ force and can make them _____ or _____.
- f) Water droplets are held together by _____.
- g) _____ between a moving object and the surface it moves on is a force which slows the object down.

Q2 Describe what will happen to the toy trucks in each of these diagrams when the force shown by the arrow(s) is applied. Use words like "accelerates", "slows down", "steady speed" and "stationary".

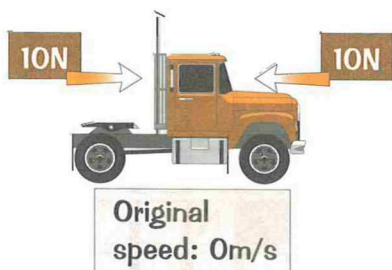
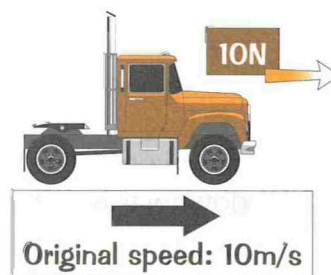
a)



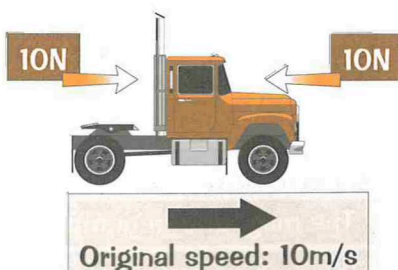
b)



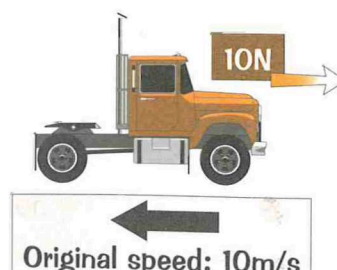
c)



d)



e)



f)