

a) When a net zero external unbalanced force is applied on the body, it is possible for the object to be travelling with a non-zero velocity. In fact, once an object comes into motion and there is a condition in which its motion is unopposed by any external force; the object will continue to remain in motion.

b) In balanced forces, the magnitude of the two forces is equal, whereas, in the case of unbalanced forces, the magnitude of the two forces are unequal... Balanced forces cause a still object to remain at rest. As against this, the unbalanced forces cause a ~~still~~ still object to remain at rest. As against this, the unbalanced forces cause a stationary object to move in the direction of the greater force.

c) a lack of energy; an inability to move or change

d) Mass of a train is more than the mass of a bicycle. Hence, the inertia of the train is greater than that of the bicycle.

② Mass of a five rupee coin is more than that of a one-rupee coin. Hence, the inertia

of a one-rupee coin is a greater than ~~that~~ that of the one-rupee coin.