

1. 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 not opposed by any external force the object will continue to remain in motion. It is necessary that the object moves at a constant velocity and in a particular direction.

If the resultant of applied forces are greater than 0, the force are unbalanced force whereas in balanced forces 2 forces applied of equal size act on a body in opposite directions.