

Dynamics Introductory Questions

True or False

1. A force is required to keep an object moving in a given direction.
2. An upwards moving object must be experiencing an upwards force.
3. A rightwards moving object must be experiencing a rightwards force.
4. A ball is thrown into the air and is moving upwards and rightwards toward its peak. The ball must be experiencing a force that is upwards and rightwards.
5. If a person throws a ball with her hand, then the force of the hand upon the ball is experienced for at least a little while after the ball leaves the hand.
6. If an object is at rest, then there are no forces acting on the object.