

GLOSSARY

E

elastic collision a collision in which the total momentum and the total kinetic energy remain constant (226)

I

impulse for a constant external force, the product of the force and the time over which it acts on an object (210)

M

momentum a vector quantity defined as the product of an object's mass and velocity (208)

P

perfectly inelastic collision a collision in which two objects stick together and move with a common velocity after colliding (222)