

Introduction Definitions

- Kinesthetic Energy - the energy of an object due to its motion
- Gravitational Energy - Potential energy by an object based on its relative position to the ground
- Force - any interaction that, when unopposed, will change the motion of an object
 - in the form of pushes and pulls

Types of Force

- Contact force - direct forces that requires contact to be enforced
- Gravitational force - a force that attracts any two objects with mass by pulling (object -> ground on planet)
- Magnetic force - objects interact in which there is charge in motion - attraction is not determined by mass
- All act at distance in pairs
- Represented through free-body diagrams

