

THEORY

When a body is subjected to a force, it tends to move in the direction of the force. This is the basic principle of mechanics. The force applied to a body is called the load, and the reaction force is called the support reaction. The load and support reaction are the two main forces acting on a body. The load is the force that causes the body to move, and the support reaction is the force that opposes the load. The load and support reaction are the two main forces acting on a body. The load is the force that causes the body to move, and the support reaction is the force that opposes the load.

Force	Direction	Effect
Load	Downwards	Causes the body to move downwards
Support Reaction	Upwards	Opposes the load and prevents the body from moving downwards

DISCUSSION

