

Newton's Laws

Physics

The three laws, stated precisely, and the common misreadings.

The laws and what each actually says.

Law	States
First	A body stays at rest or in uniform motion unless acted on by a resultant force
Second	Resultant force equals rate of change of momentum
Third	Every force has an equal and opposite reaction on a different body

Third-law pairs act on **DIFFERENT** bodies and are the same type of force. Weight and normal reaction are not a third-law pair.