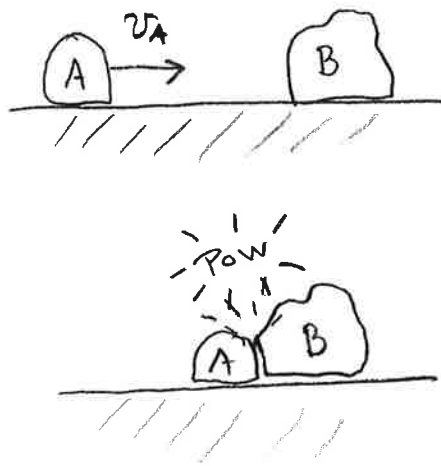


EX 19.1

Inertia and force



a) Both objects have inertia

b.) Object B exhibits resistance; object A delivers an impulse, but this distinction

rests entirely upon which object you consider to be moving. For a gnome riding on A, A is at rest and B is moving.

So the gnome would say A has resistance and B delivers an impulse. [The notions of resistance and impulse are different manifestations of the concept of inertia.]

c.) During impact, both objects feel an impressed force. Thus both objects experience a change in momentum in the direction of the force it feels.