

1 | Impulse

Impulse is the transference of momentum (like how Work is the transference of energy):

$$impulse = \int \vec{F} dt \quad (1)$$

$$= \Delta \vec{\rho} \quad (2)$$

It is very similar to the Work equation, and but it is instead integrating on change of Time.

Just in case you forgot:

$$\vec{\rho} = m\vec{V} \quad (3)$$