Vocabulary: Particle, System of Particles, Rigid body

Word	Particle Q	System of particles S	Rigid body B	Relation to force/torque
Mass	 m_Q or m^Q	$m^S =$	$m^B =$	$\mathbf{F}^Q = m^Q\ {}^N\mathbf{a}^Q$ $\mathbf{F}^S = m^S\ {}^N\mathbf{a}^{Scm}$ $\mathbf{F}^B = m^B\ {}^N\mathbf{a}^{Bcm}$
Translational Momentum	${}^N\mathbf{L}^Q =$	${}^N\mathbf{L}^S =$	${}^N\mathbf{L}^B =$	
Angular Momentum (moment of momentum)	${}^N\mathbf{H}^{Q/O} =$	${}^N\mathbf{H}^{S/O} =$	${}^N\mathbf{H}^{B/Bcm} =$ ${}^N\mathbf{H}^{B/O} =$	
Kinetic Energy	${}^NK^Q =$	${}^NK^S =$	${}^NK^B =$. ${}^NK^B =$.	