

Physics Equations Sheet GCSE Science A / Physics (SCA1, SCA2 and PH1)

$E = m \times c \times \theta$	 E energy transferred m mass θ temperature change c specific heat capacity
efficiency = $\frac{\text{useful energy out}}{\text{total energy in}}$ (× 100%)	
efficiency = $\frac{\text{useful power out}}{\text{total power in}}$ (× 100%)	
$E = P \times t$	E energy transferredP powert time
$V = f \times \lambda$	v speed f frequency λ wavelength