

UNIT 6
(MECHANICAL WAVES & SOUND)
EQUATION “CHEAT SHEET”

Name	Equation	Variables
Frequency of a Wave	$f = \frac{\text{cycles}}{\text{time}} = \frac{1}{T}$	f: frequency T: period
Period of a Wave	$T = \frac{\text{time}}{\text{cycles}} = \frac{1}{f}$	T: period f: frequency
Wave Speed Equation	$v = \lambda f$	v: wave speed λ : wavelength f: frequency
Wave Speed Equation (alternate form)	$\lambda = \frac{v}{f}$	v: wave speed λ : wavelength f: frequency
Wave Speed Equation (alternate form)	$f = \frac{v}{\lambda}$	v: wave speed λ : wavelength f: frequency