P1 Fact Sheet – Waves Name.....

Question	Answer
Waves transfer	Energy
Waves may be either	transverse or longitudinal
Electromagnetic waves are	transverse
Sound waves are	longitudinal
Mechanical waves can be	(either) transverse or longitudinal
The number of wave peaks in one second is the	frequency
The distance from one wave peak to the next is the	wavelength
The height of a wave peak from the mid-line is the	amplitude
Sound waves cause	vibrations
Longitudinal waves, like sound show areas of	Compression and rarefaction
The frequency of a sound wave determines its	pitch
The amplitude of a sound wave determines its	loudness
The wave equation is	v=fw
The wave equation is obeyed by	all waves
What can you say about the speed of	They travel at the same speed through a
all types of electromagnetic wave?	vacuum
Electromagnetic waves form a continuous	spectrum
Write the names of the types of radiation which make up the EM Spectrum in order from longest to shortest wavelength:	 i) radio waves ii) microwaves iii) infra-red radiation iv) visible light v) ultraviolet vi) x-rays vii) gamma rays