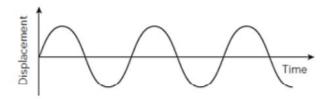
WORKSHEET

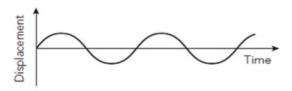
SOUNDS

_	State the one word that describes the movement of a source of sound.								
2.	State which part of a guitar moves to produce a sound								
3.	State what moves when a wind instrument such as a flute produces a sound.								
4.	State what we call a reflected sound.								
5.	State the speed of sound in air.								
6.	State the normal hearing range for humans								
7.	Nava can hear sounds with frequencies up to 20 kHz. Her grandfather cannot hear sounds								
	above 12 kHz. Which two of the following sound frequencies will Nava hear but he grandfather will not?								
	8,0 kHz	25,2 kHz	16,5 kHz	14,9 kHz	11,8 kHz				
9.	Calculate how	r fare sound will tr	ravel in 5 s in air.						

11. Figure below shows a trace that represents around wave. Add labelled arrows to the diagram to show the amplitude A of the wave and its period T



12. The figure below shows a trace that represents a sound wave. Draw on the diagram to show a second that has the same pitch but is louder.



- 13. Two sound waves have the frequencies shown:
 - sound A, 440 Hz
 - sound B, 520 Hz
 - a. state which sound has the higher pitch _____
 - b. Calculate the period of sound A.
- 14. Complete the following sentences, using words from the list below. Each word may be used once, or not at all

compressions	longitudinal	high	transverse	rarefaction	low
electromagnetic	peaks	atmosphere	troughs		
Sound waves are		waves. ⁻	They consist of		, which
are pres	sure areas and		, w	hich are	pressure
areas					

15. State three uses of ultrasound and for each, give a brief description of how it is useful.
