

Name	
Concepts:	
!)	Explain fully Simple Harmonic Motion.
2)	Give three examples of SHM.
3)	Give five characteristics of SHM.
4)	What are the two types of waves and how do they differ?
5)	Draw and label each part of both types of waves.
	a)
	b)
6)	What does the speed of propagation refer to? What is its equation?
7)	What is the speed of propagation of sound in air at 0 degrees Celsius?
8)	Explain fully the law of superposition.
9)	What is a standing wave and why does it form?

10)	What is a bow wave and why does it form?
11)	Explain fully the Doppler effect.
12)	Explain fully a sonic boom.
13)	Explain fully a shock wave.
14)	What happens to the speed of propagation of sound if the temperature is different than 0 degrees Celsius?
15)	Explain fully how a turning fork works.
16)	Why does a longitudinal wave need a medium?