## S.N.B.P.

## SNBP INTERNATIONAL & Sr. SECONDARY SCHOOL, CHIKHALI, PUNE (2024-25)

## Affiliation No. 1130703

WORKSHEET-10			
CLASS: VIII DIVISION:		SUBJECT: Science	
PREPARED BY: Pr	athibha Hebbar		LESSON: 10 – SOUND
Q.1 Define the follo	wing		
1. Frequency			
2. Amplitude			
3. Pitch			
4. Infrasonic sou	nd		
5. Ultrasonic sou	ınd		
Q.2: Fill in the blan	nks		
1. Sound can be prod	luced by	and it cannot travel in _	
2. The speed of soun	d is greater in	_ than that in	_ and is greatest in
3. The membrane of	tabla is tightened to _	pitch of the	sound.
4. When we increase	the thickness of a vil	orating string it's pitch _	·
5. We can't hear the	sound above	Hz, they are called	·
Q.3: Case Study			
"Why Can't We He	ar Certain Sounds?'	,	
frequency generator During the experime inaudible. They reco *Both could hear sou	to produce sounds of nt, they noticed that t rded their observation ands between 20 Hz a	varying frequencies, from hey could clearly hear s as:	ome sounds, but others were completely
			his frequency range, while animals like d affect their hearing range.
<b>Questions:</b>			
1. What is the range	of audibility for huma	ans?	
2. Why can't humans	hear infrasound and	ultrasound?	
3. How does age affe	ect the ability to hear	certain frequencies?	
4. Give examples of	animals that can hear	frequencies beyond the	human range.
5. Suggest a practica	l application of infras	ound or ultrasound in d	aily life.
Subject Tr	HOD	Co Ordinator	Principal