Worksheet			Sound
#2 Sound through	h Matter		
Names in			
group Date	Read all d	irections first!	
through each of the your ear to the bag a pencil. Cover you	e states of matte g as a group men our ear that isn't . Compare the voi iquid, solid and a nrough it the easi	r, sand, water, anber taps the tall touching the ball blume (loudnes a gas. The mat	ole near the bag with ag. This will block s) of the sound as it ter that allows the
Prediction: We the to pass through it because	easiest. We thin	k this	will allow sound
1. After pressing which did your grawaves to travel be	oup think was lo	•	d and the air, record fore allows sound
waves to traver be	tter.		
2. Repeat the proofilled with water a your group think o	and then the air. I	Record your res	
3. Which of the b or the water?	- aggies allowed t	he sound to trav	vel better, the sand

4.	Which of the states of matter solid, liquid, or gas allowed the sound waves to travel through it the easiest?
5.	Why does your group think this happened?
6.	Was your groups' prediction correct?
Cı	reate something new. Drawings are accepted with an explanation.
6.	What does your group think now about how sound waves travel? Using what you found out, how could you make the sound of a guitar louder? Why would it work?
7.	What could you do in class to hear what your neighbor is saying without getting in trouble? Why would it work?
8.	What could a Mom do if she wants to reduce the noise of children playing? Why would it work?