Sound Shake Lab

Two quick tests connect sound and vibration.

1.1 "Carry out investigations to provide evidence that the vibrations of matter can make sound and sound can make matter vibrate."

NAME _____ DATE _____

Teacher: this page is run aloud. The script and answers are on the guide page.

1 TAP TEST

a	still	break	shake
b	sound	silence	music

2 VOICE TEST

a	wiggle	tear	still
b	still	wiggle	tear

ANSWER KEY

Sound Shake Lab

GRADE 1 · 1.1

HOW TO RUN THIS PAGE

Read each prompt aloud while students carry out the test, then have them circle what they observe. Students test whether a vibrating book makes sound and whether a voice can make a paper strip move.

Students never read directions on this sheet. Read each part's script aloud, then each prompt, giving think time before students mark.

PART 1 · TAP TEST

SAY "Put one hand gently on a closed book. Tap the book with a pencil in your other hand. Keep tapping as you feel and listen."

ROW	SAY	STUDENTS CIRCLE
a	What did you feel the book do? Circle your answer.	**shake**
b	What did you hear while the book shook? Circle your answer.	**sound**

PART 2 · VOICE TEST

SAY "Tear a thin strip from a piece of paper and hold it by one end so it hangs down. First watch it while you are quiet. Then hold it close to your mouth and say 'ah' loudly without blowing on it. Watch the strip in both tests."

ROW	SAY	STUDENTS CIRCLE
a	What did the strip do while you were quiet? Circle your answer.	**still**
b	What did the strip do when your voice reached it? Circle your answer.	**wiggle**

WHAT TO ACCEPT

The expected observations are book shakes, sound, strip stays still, and strip wiggles. Accept an honest observation if a student's strip does not move, and repeat the voice test with the strip closer to the mouth.