

Shake, Hear, Move

Students use two teacher-led tests to connect vibration and sound.

1-PS4-1 "Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate..."

NAME _____

DATE _____

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

1 TEST ONE

a	sound	shape	still
b	still	vibrate	shape
c	shape	still	sound

2 TEST TWO

a	sound	shape	vibrate
b	still	sound	shape
c	quiet	vibrate	shape

HOW TO RUN THIS PAGE

Set up Test 1 with a stretched string that can be plucked, and Test 2 with a small paper strip held near a speaker playing a steady sound. Read the first row in each part before the test, then conduct that test and read the remaining rows. Students show the skill by using what they notice and hear as evidence.

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

PART 1 • TEST ONE

SAY “We will plan what to notice in Test 1. After you answer the first question, we will do Test 1, then you will answer the next questions from what you noticed.”

ROW	SAY	STUDENTS CIRCLE
a	In Test 1, what will you listen for? The words are sound, shape, and still. Circle the word that tells what you will listen for.	sound
b	After Test 1, how did the material move? The words are still, vibrate, and shape. Circle the word that tells how it moved.	vibrate
c	In Test 1, when the material vibrated, what did it make? The words are shape, still, and sound. Circle the word that tells what it made.	sound

PART 2 • TEST TWO

SAY “We will plan what to notice in Test 2. After you answer the first question, we will do Test 2, then you will answer the next questions from what you noticed.”

ROW	SAY	STUDENTS CIRCLE
a	In Test 2, what will you watch for? The words are sound, shape, and vibrate. Circle the word that tells what you will watch for.	vibrate
b	After Test 2, what made the material move? The words are still, sound, and shape. Circle the word that tells what made it move.	sound
c	Sound can make materials do what? The words are quiet, vibrate, and shape. Circle the word that finishes the idea.	vibrate

WHAT TO ACCEPT

Test One answers are sound, vibrate, sound. Test Two answers are vibrate, sound, vibrate. Accept one clear circle around each correct word.