



***SOUND WAVES
STUDENT BOOKLET***

Name: _____

Task 1:

Sort the word cards into the correct column:
Objects that make sound by vibrations and objects that do **NOT** make sound by vibrations.

OBJECTS THAT MAKE SOUND BY VIBRATIONS	OBJECTS THAT <u>DO NOT</u> MAKE SOUND BY VIBRATIONS

Explain how you chose to sort the cards into the group that make sound by vibration.

Task 2:

Melissa tells her little brother that she has rice that can dance to music. Melissa takes an aluminum pie pan and places a shallow layer of rice in the pan. She holds the pan of rice over a speaker on the radio and turns the radio volume up. The rice begins to dance and her little brother is amazed! She shares this during science class the next day. Her teacher asks: "Melissa, can you explain using the concept of sound waves what really happened to make the rice dance"?

Write what Melissa should tell her teacher below.