

Wave Behavior Data Sheet

Members of the group:

Dropper _____ Timer _____

Recorder _____ Spokesperson _____

Measurer _____ Clean-up crew _____

Directions:

1. The **measurer** places the measuring tool across the pan.
2. The **timer** says go, to tell the **dropper** to drop the coin onto the mark in the center of the pan.
3. After 2 seconds, the **timer** says stop.
4. The **measurer** tells the **recorder** how many centimeters the wave traveled.
5. The **recorder** writes the information on this data sheet.
6. When the experiment is finished, the **clean-up crew** makes sure everything is clean for the next group.
7. After all experiments are complete, the **spokesperson** gives information to the teacher when asked.

Media	Distance the wave traveled (centimeters)	Time	Wave speed (Velocity) $v = d/t$
Water	_____ cm	2 sec	
Ice water	_____ cm	2 sec	
Buttermilk	_____ cm	2 sec	
Pudding	_____ cm	2 sec	
Sand	_____ cm	2 sec	