



Name: _____

Period: _____

Assigned on **Friday, August 29, 2025**

2.5 Activity: Mystery Box

Due Friday, August 29, 2025

Objectives

- 1) Model the arrangement of the box content.
- 2) Describe the properties of the box contents.

Procedure

1. Record the box letter on the data section.
2. Tilt the box from side to side, turn it around, and turn it over. Do not shake or squeeze or try to open the box! Listen to the movement of the object(s) inside.

Data

1. Box letter: _____
2. How many objects do you think are inside (fixed or moving)? _____
3. What are some physical properties of this/these object(s)? _____
4. Draw the internal arrangement of your box.



5. Explain what evidence led you to your conclusion in #4.

Stop Here for Now!!!!

6. Some of the other groups have boxes that are identical to your box. Locate the other teams that match your box and compare your results. List the letters of the boxes that are identical to yours:

7. Draw the shape of the inside of your box that all these groups have agreed upon.



8. List some properties of the object(s) inside which you may never be able to determine with the current experimental method.

9. Do you think scientists always come to agreements about the meaning of data from experiments?

_____ Explain. _____