



# 24. Oscillations in water

Reporter: Aitemir Kussainov

Team Kazakhstan-Almaty

Opponent: Ankit Singhal

Team Switzerland





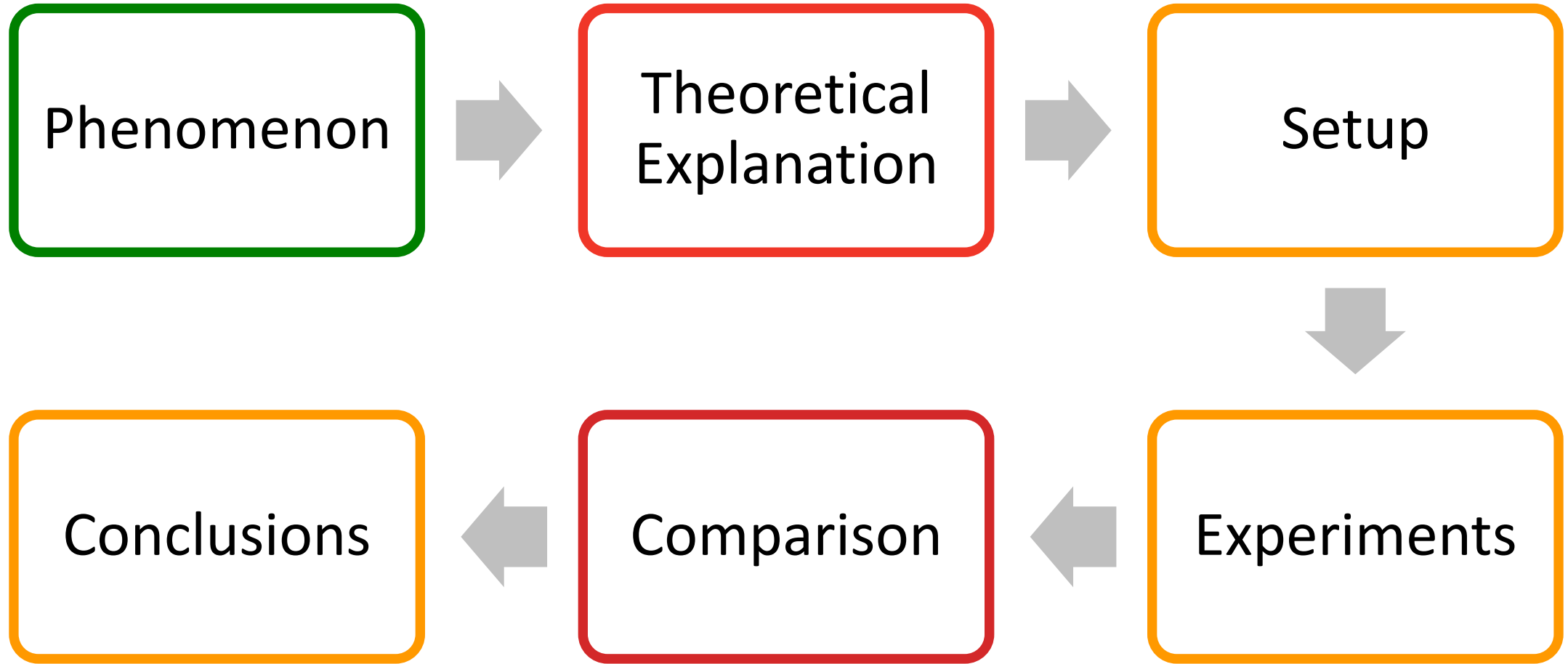
# Task

Take a vial, a tall glass, or a bottle and load it with **heavy objects**. Make it float vertically on the water surface. If displaced up or down, the vial will oscillate. **Calculate theoretically** and measure **experimentally** the **period** of its oscillations.

- Float object vertically
- It oscillates if displaced
- Period calculation




# Outline



 Well done

 Good

 Work on



# Theory/Experiments

- Unclear theoretical explanation
- No variables defined
- No explanation of values in Desmos graph
- No error bars
- No heavy objects used
- Unclear when literature/own data was used

Rating: 3/6



# Discussion Topics

## Theory

- Explanation/  
Formulas

## Error

- Human error
- Not  
presented

## Other variables

- Influence on  
period



# Discussion

