



# 24. Oscillations in water

## REVIEWER

Greece - Anatolia

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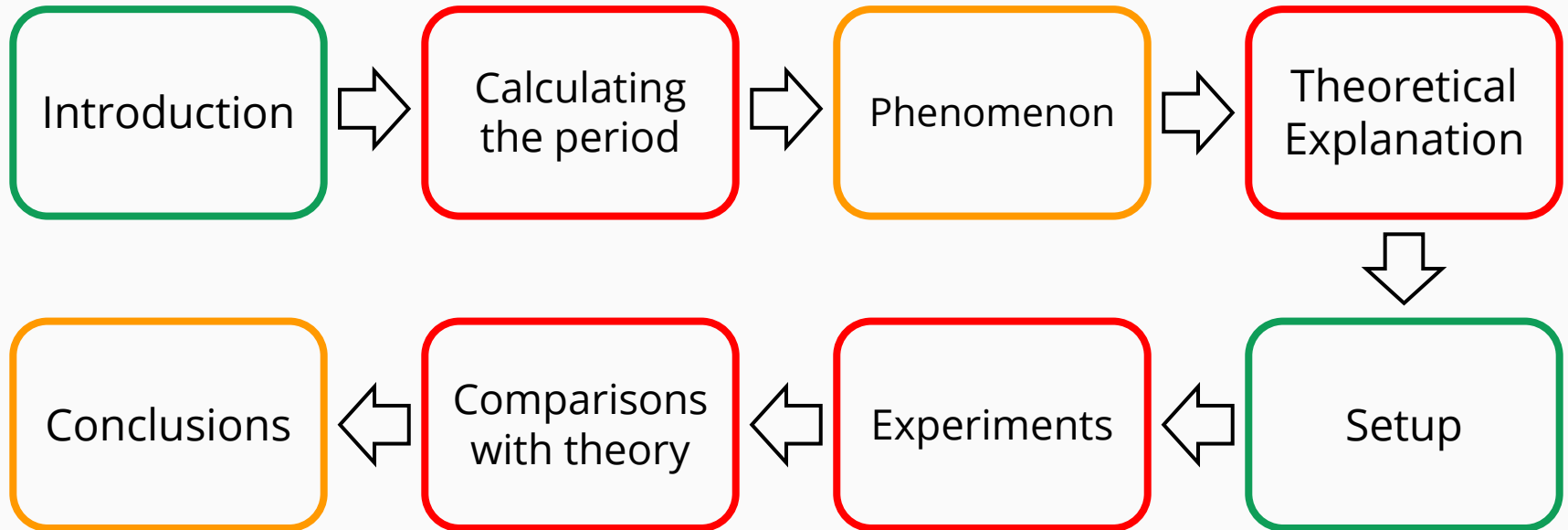


# Problem to be investigated

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.



# Outline



● Well Done

● Good

● Work on



# Performance

## Reporter

- + Performed many experiments
- + Able to answer opponents questions
- + Had graphs
  
- Understanding of the topic
- In the introduction said that the amplitude affects the period
- Did not have error bars
- Wrong graphs compared to the theory
- Wrong formula that applies only for a pendulum

## Opponent

- + Background research on topic
- + Led the discussion
- + Answered Reviewer's questions



# Discussion Topics

## Pendulum Formula

How is it linked to the experiment?

NO answer , but we believe his graph didn't consider the change at the equilibrium point

## Amplitude

Would it change?

It would change. But he didn't explain how and why

## Focal Point

Why oscillation is damped and not harmonic?

Unclear answer, didn't explain the factors affect the problem



**Thank you**