



24. Oscillations in Water

OPPOSITION

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Hellenic Physical Society - Saint Petersburg 2020

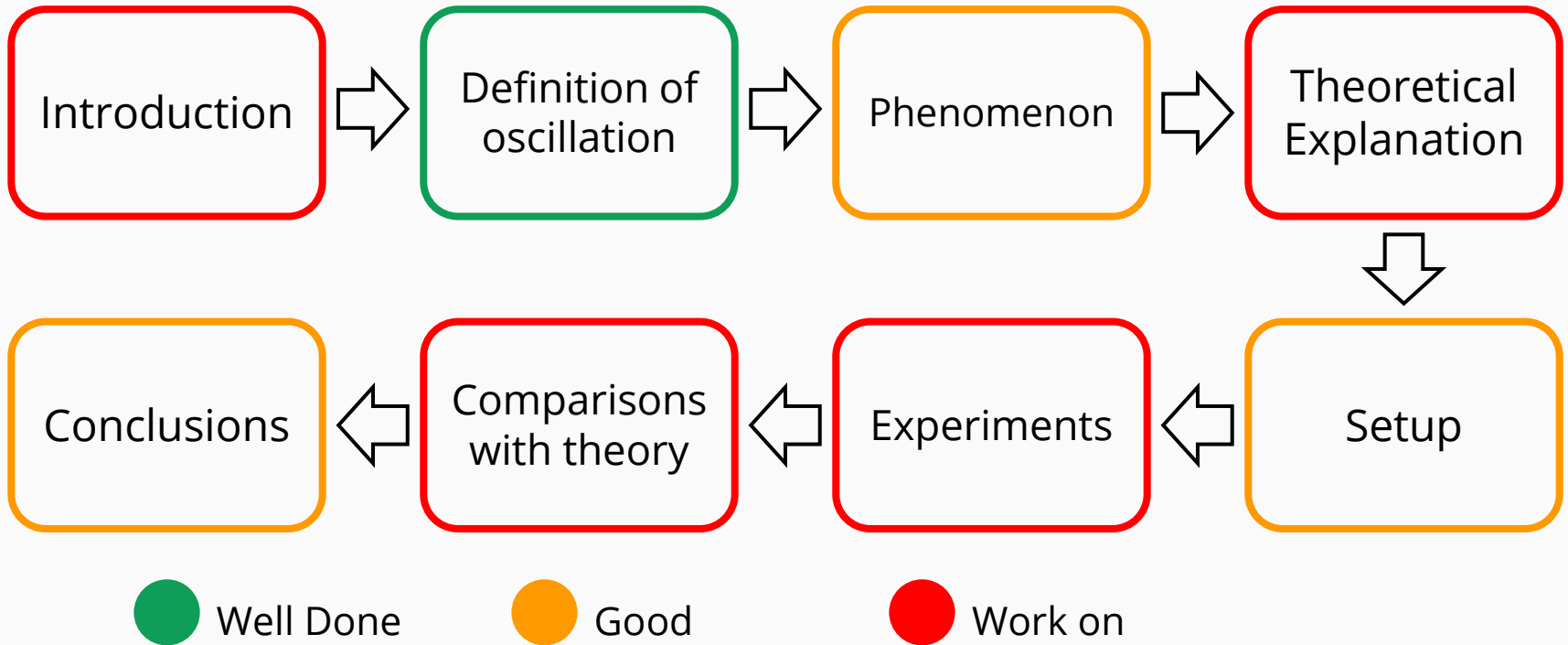


Problem to be investigated

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





Theory

- Had a wrong formula which applies only for a pendulum
- Explained what an oscillation is
- In the presentation said that the amplitude affects the period



Experiment

- Photos of the setup and experiment
- The graphs are not linked with the theory
- No error bars
- Did not take into consideration that it is important that the object oscillated both in water and air
- Not thorough explanation of graphs



Discussion