

26. Boiling water

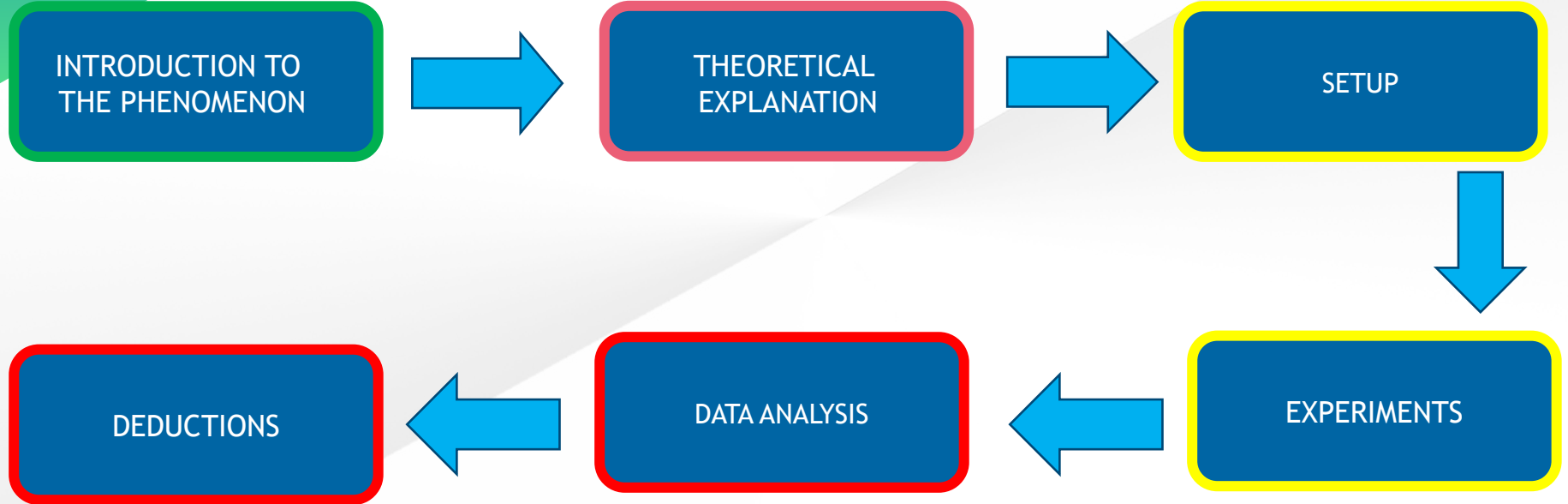
OPPOSITION

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General outline of the presentation



Needs improvement



Average



Good



Theory

Pros:

1. Referred to relevant theory such as the nucleation and the surface popping.

Cons:

1. Did not include a “predictive” theory about the experimental part.
2. Did not refer to the role of the shape of the kettle.



Experiment & Results

Pros:

1. Referred to the possible errors of the experimental part.
2. Included a clear hypothesis about the results.
3. Inserted a graphical representation of the intensity of the sound.

Cons:

1. Did include graphs that present the results of the experimental procedure.
2. There was not a connection between the theory and the experiment.
3. Did not measure the frequency of the sound.
4. Did not spot any pattern of the sound.
5. Not complete sentences about the possible errors of the experiment: “the temperatures registered by the thermometer could...(?)”



Suggestions for further Improvement

- Measure the frequency of the sound.
- Conduct the experiment in a soundproof room.
- Explain the reasons behind your errors of your experiment.
- Repeat your experimental part more times in order for the results to be more valid.
- Investigate the role of the shape of the kettle.

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