

Problem#26

Boiling water



Reviewer:
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Online TYNT
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Problem No.26

A noise is heard if water is boiled in a kettle. Investigate how this noise changes with time



Some Weak and strong points of Rep

Strong Points

- 1) Point to some theories
- 2) Lots of dates had lay put
- 3) Use a accurate things
- 4) Mention to some parameters which can affect

Weak Points

- 1) Didn't mention to latent heat
- 2) Didn't mention to different waters which can use
- 3) Didn't mention to others theories
- 4) Didn't mention to colligative properties
- 5) Didn't mention to latent heat of boiling in charts
- 6) Didn't use female to check this event

Some Weak and strong points of Opp

Strong Points

- 1) Lots of questions
- 2) Mention to how sound is produced

Weak Points

- 1) Didn't mention to others weak points
- 2) Didn't mention to relationships between parameters
- 3) Didn't mention to what problem
- 4) Heating capacity was wrong

Discussion No 1

Opp:

- ✓ Does boiling water produced stream
- ✗ What produced sounds
- ✓ Is the material of kittle important?

Rep:

Good answers ✓

Rev opinion:

Reporter was better in this discussion



Questions for Rep

- What are the factors affecting the rate of evaporation?
- What is the relationship between salt concentration and evaporation rate?
- What is the relationship between boiling point increase and evaporation rate?
- What is the relationship between evaporation rate and the sound of a boiling water kettle?

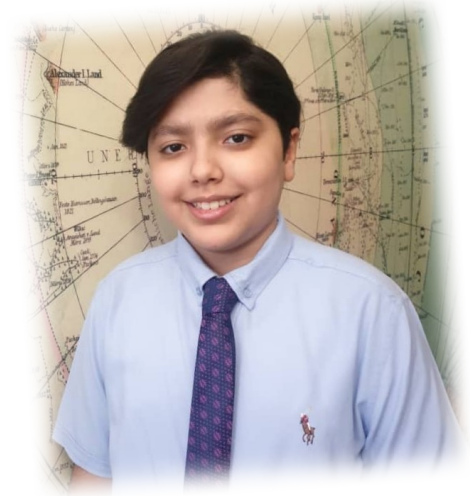


Questions for Opp

- What is the main cause of boiling kettle noise?
- What is molecular vibration?
- What is the ratio of molecular vibration to temperature and boiling point?



Thank you for your Attention!!!
Any Questions?



IRAN Team