

Problem №26

“Balloon Pressure”

Opposition

Important factors:

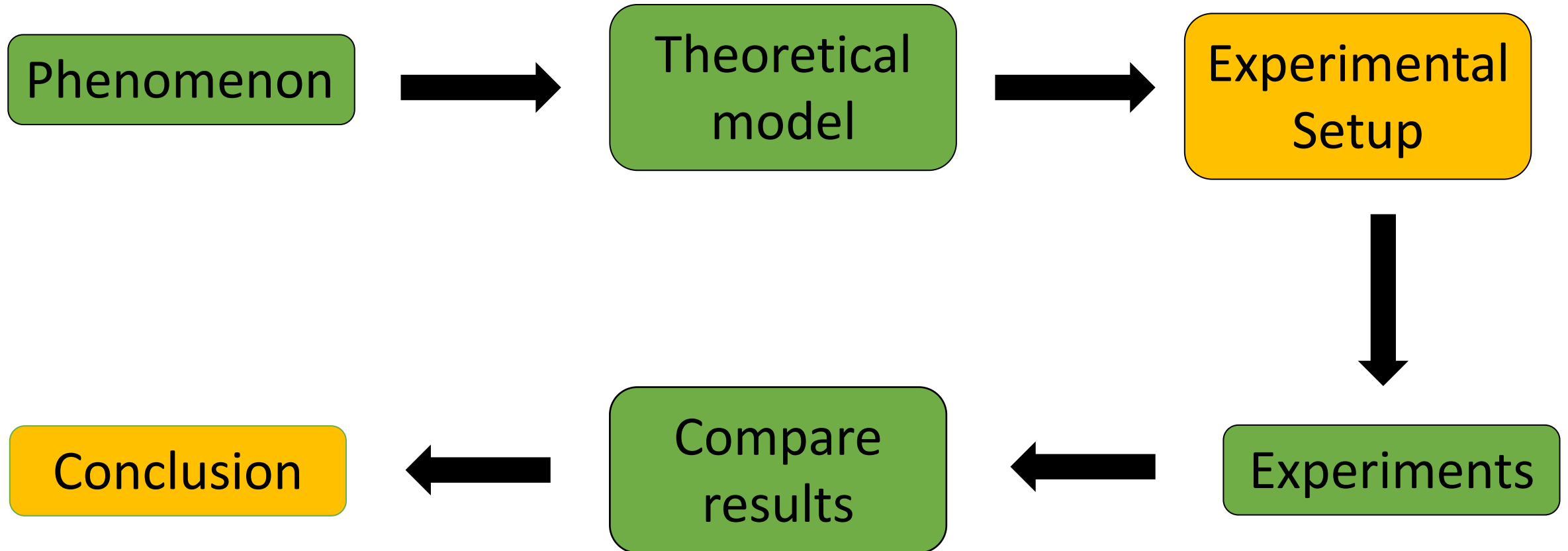
- Volume
- Temperature
- Atmospheric pressure

Problem statement:

Determine the pressure of air in an inflated balloon

Opponent : Luka Chakhnashvili

General evaluation of Report:



 Good

 Normal

 Needs Improvement



Reporter:

Strengths

- Phenomenon:
 - ✓ Good explanation
 - ✓ Exactly explained why seed spins
 - ✓ He used simulations
- Theoretical model:
 - ✓ Many and important formulas
- Experiments:
 - ✓ He has done many experiments:
 - He has done experimental models
 - Changed mass of the maple seed
 - Changed number of rubber bands
- Comparison:
 - ✓ He compared experimental results to theory
- Other:
 - ✓ He Answered questions well
 - ✓ He knew topic very well

Weaknesses

- Phenomenon:
 - ✓ It would be better to use simulations
 - ✓ Didn't explained exactly why seed spins
- Theoretical model:
 - ✓ He didn't explain formulas well
- Experiments:
 - ✓ Didn't explained diagrams well
 - ✓ He hasn't done experimental models
- Comparison:
 - ✓ He didn't compared experimental results to theory
- Other:
 - ✓ He didn't Answered questions well



Discussion:

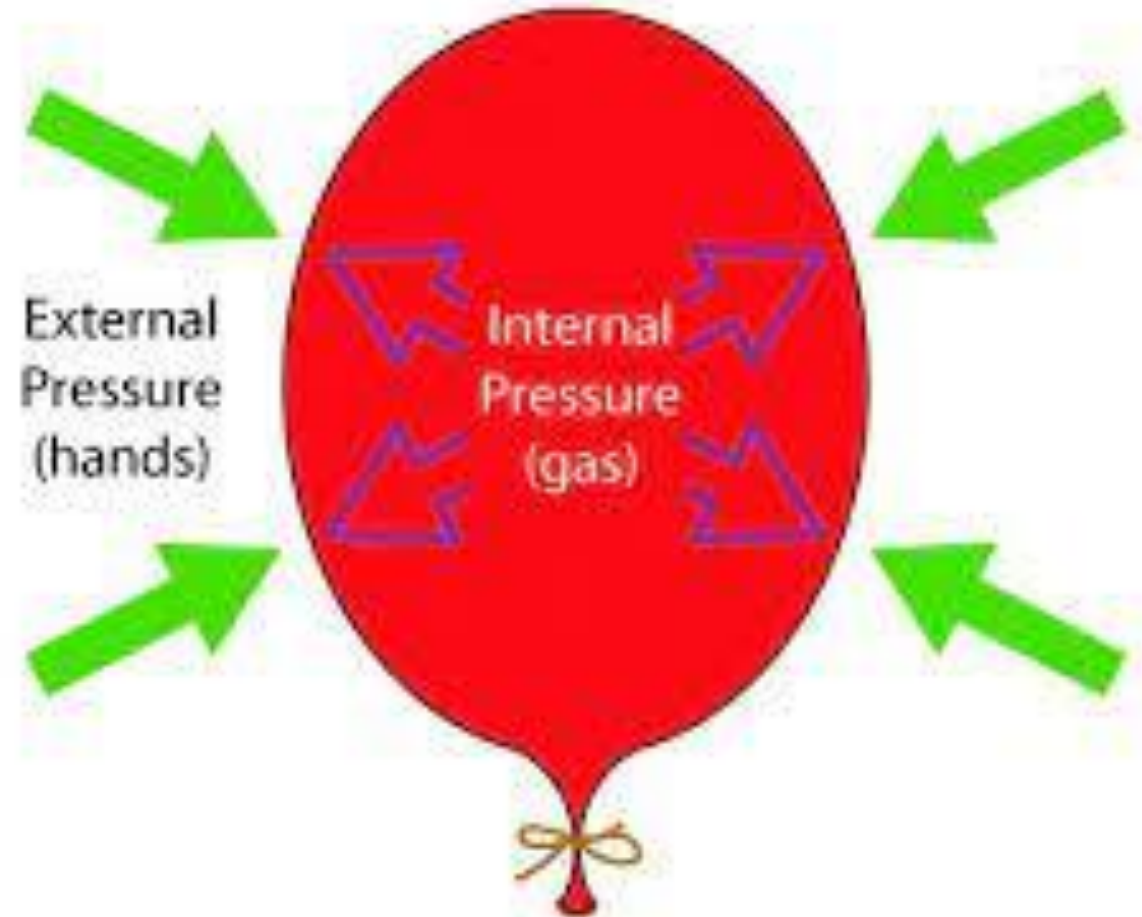
- Atmospheric Pressure
- Temperature of air;
- Temperature of the balloon;
- Theory explanation;





Thank you for
your attention!





Opponent:

Strengths

- Quick Questions:

- ✓ many and important questions:
 - Asked about...
 - Asked about...

- ✓ s

- Theoretical model:

- ✓ many and important formulas

- Experiments:

- ✓ He
 - Changed number of rubber bands
 - Changed light power

- He

- He

Weaknesses

- Quick Questions:

- ✓ few and unimportant questions:
 - Didn't Asked about...
 - Didn't Asked about...

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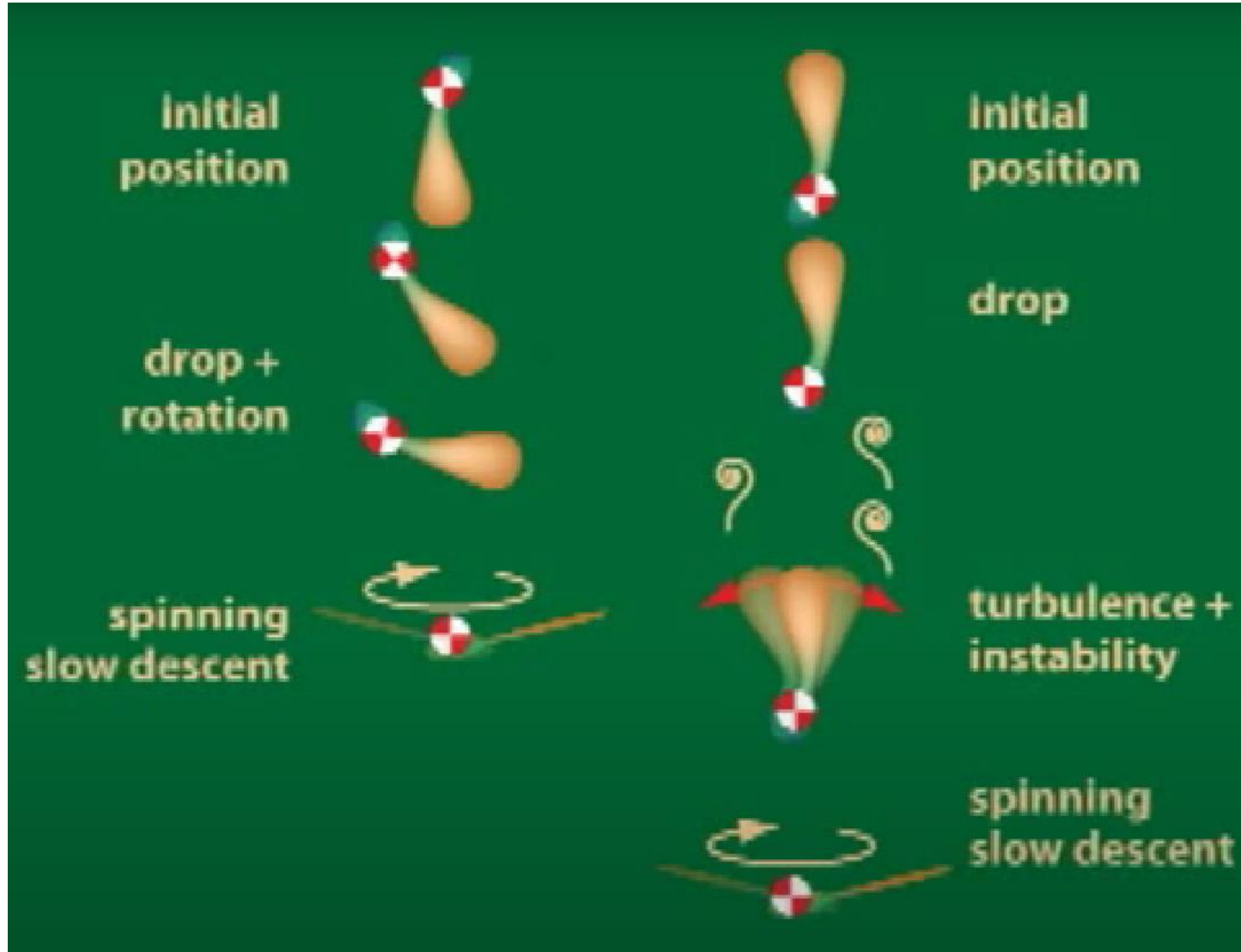
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- ✓ He

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Discussion:

Discussion topics:

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- Enter
- Enter

Opponent:

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Reporter:

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Reviewer:

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