5) Collision

Reporter: Easy Science
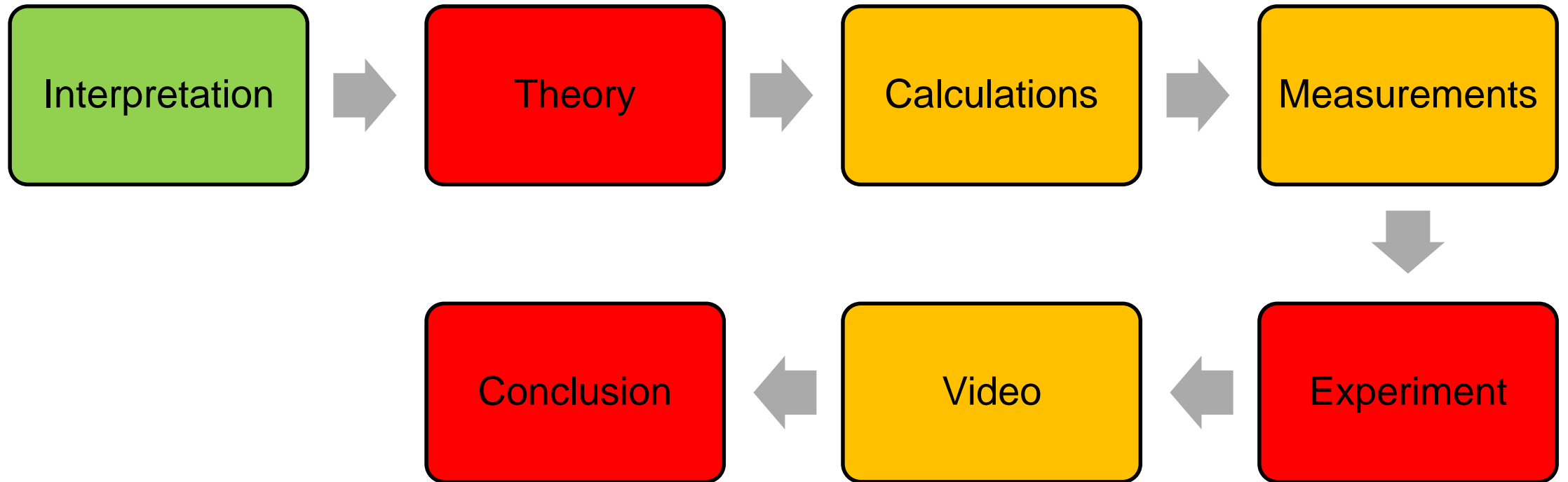
Opponent: Switzerland

Problem

5. Collision: A **highly elastic** Super Ball collides with a **rigid surface**. How can one determine the **collision time**? Propose **various techniques** and **compare** the experimental results.

Task not fulfilled

Outline of Report

Interpretation → Theory → Calculations → Measurements → Experiment → Video → Conclusion

Good   Ok   Needs Improvement

Strengths and Weaknesses

Strengths

- Video

- Graphics

- Different surfaces tested

Weaknesses

- Only calculated fall time

- Does not consider elastic or inelastic in calculations

- Does not use super ball

- Scale measurement

- Balls not consistent

- Human error

Discussion