

//22. POURING WATER OUT

Opposition: Tibor Basletić Požar

Team Croatia



The problem

- Compose several methods to empty a bottle of water and indicate the fastest method

Clarifying questions

- How much water did you use?
- Why does the air flow into the bottle in scenario No.4?
- How many ways to pour water out exist? You only named 4 why?
- What parameters depend on the speed of the water pouring out?

The solution

- What other ways are there to pour out the water?
- Is the 2 second one you mentioned most effective?
- Can the 2 second one be more effective if you changed certain parameters(radius of the opening of the bottle)
- Why is blowing air into the bottle faster than any other method you mentioned?

Points for discussion

- Ring of the bottle where the water passes
- Why is the flow of the water in the 3rd method not constant?
- Can you make it constant?
- Were the same amounts of the water used for Each Experiment?

Conclusion

- The reporter did a splendid presentation with decent amounts of theory, though no explicitly stated hypothesis. She had many experiments to back the theory up, but she was lacking in testing the parameters. A lack of literature is also noted.

Thank you for your time.