

//DISAPPEARING INK

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The problem

- Suggest a chemical formulation for the ink that would disappear after used to write a text. What parameters determine the time when the text becomes invisible? Is it possible to process the paper in such a manner that the text appears again

Clarifying questions

- How does the amount of ink put on an area affect it's disappearance
- Can the ink disappear or reappear in vacuum?

The solution

- There is a nice example of disappearing ink, but it lacks theory and experiments. It would be better if some parameters were checked and put to result.

Points for discussion

- Is NaCO_3 alkaline?
- What is the reaction that happens with the ink?
- What depends on the speed of ink disappearance?
- What are the other possible ink solutions?
- What are the most important parameters in the experiment?
- How many times can the ink appear and disappear when put on the paper?