

7. Burning glass

Greece - Anatolia College
Reviewer : George Peios
Hellenic Physical Society
Minsk - IYNT 2019



Clarifying Questions

Reporter

1. Does humidity affect the results of the experiment?
2. Does the thickness of the paper affect the results of the experiment?
3. Does the color of the paper affect the results of the experiment?
4. How many layers did the paper towel had?
5. Do the experimental results alter if we use lenses from glasses?

Opponent

1. How would you create a different and more improved experiment, taking into consideration the reporters faults?
2. Can we start a fire more quickly, but again by using a magnifying glass?
3. Does the time it takes to burn tinder change, if we use a magnifying lens?
4. Does the size of the magnifying glass affect the time it takes for the tinder to light up?

Pros & Cons - Reporter

Pros

1. Explained most of the theoretical part of the problem.
2. Detailed graphs
3. Took under consideration many factors

Cons

1. Not good knowledge of the theory.
2. Not actual theoretical model corresponding to the phenomenon
3. Not made a hypothesis based on the theory
4. No external factors considered (temperature, humidity)
5. Had a hard time understanding the opponent's and the jury questions

Pros & Cons - Opponent

Pros

1. Pointed out several of the faults of the reporter's presentation
2. Gave feedback and suggested recommendations on the way the experiment could have been improved.

Cons

1. Too aggressive.
2. Did not let the reporter finish her sentences
3. Posed complicated and complex questions to such a degree, that the reporter had a difficult time understanding
4. Bad time management

Discussion

1. How does the size of the magnifying glass affect the time it takes for the tinder to light up?
2. How do the experimental results alter if we use lenses from glasses?
3. How does the time it takes to burn tinder change, if we use a magnifying lens?
4. How can we start a fire more quickly, but again by using a magnifying glass?