



03. Photography with Iron Salts

REVIEWER

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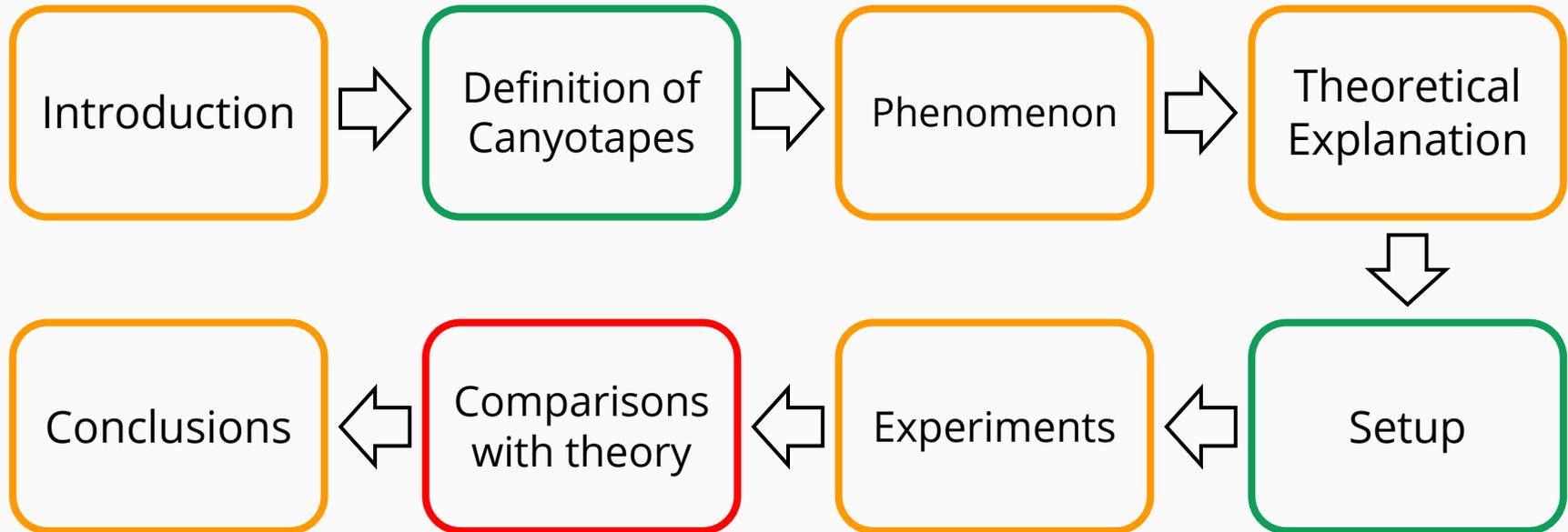


Problem to be investigated

Mix 10 parts of ferrous oxalate (25% aqueous solution), 7 parts of concentrated ammonia solution, and 20 parts of saturated solution of oxalic acid to produce a photosensitive iron complex. Prepare separately a 25% solution of potassium ferricyanide. A sheet of paper saturated with a mix of these two solutions can be exposed to light and produce an image. What other iron salts are photosensitive? Produce photographs using various approaches and various iron salts, and investigate the role of relevant parameters.



Outline of the Report



 Well Done

 Good

 Needs to Work on



Theory

- + The reporter explained what Cyanotype is
- Did not explain the theoretical factors (such as source of radiation, portions of iron salts)
- Did not explain the chemical reactions she included, although they were simple.
- No evident linkage with the experiment.
- + She made a lot of hypotheses.
- No definition of the terms used
- No photos included



Experiments and Analysis

- No proof that the experiment was conducted (visual aid)
- Did not have graphs.
- Too much text.
- Did not elaborate in the information provided in every every slide
- Lack of variables, such as different temperatures and humidity levels
- Not all the hypotheses were confirmed in the end
- Did not relate her theory with the experimental results.
- She did not state her potential errors
- + Different types of salts were used
- + The chemical reactions were linked



Opponent

- Ironic and offensive
- + Mentioned all the missed point of the reporter
- Did not answer any of the questions of the reviewer (eg temperature higher photosensitivity)



Discussion Topics

Photons in reaction (opponent is right)

R: Did not take them in consideration

O: Should have included them

Interchange - light - developer solution (opponent is right)

R : Explained only when asked

O : Important enough to be included in the presentation

Type of radiations (opponent is right)

R : Did not include them in the presentation

O : Should have included them



Performance

Reporter

- + Understanding of the topic
- + Photos of the experiment
- Inadequate theory
- Not clearly stated hypotheses
- Too much text on slides
- No graphs
- Too short
- Not able to answer all opponent's questions

Opponent

- + Noticed some of reporter's weak points (such as lack of graphs and parameters)
- + Background research on topic
- + Led the discussion
- + Answered for another solution
- Offensive demeanor
- There was visual aid (the opponent said there weren't)
- Did not answer reviewer's question
- Temperature is important



Thank you