CHEM ART

Spectroscopy

FIRST: Take photos through your spectroscope from three different light sources that give off three distinct light signatures. Crop and edit to best effect and upload to Google Classroom (you can upload multiple things to a submission).

THEN: Please answer the following. For each answer, be specific!

SPECIFIC: How? Why? Give an example.

These questions, in combination with your two finished samples, will be your art grade.

1. Would you say that your photos are beautiful? Why or why not?
2. Is it art? Why or why not?
3. What is the scientific value of spectroscopy? What is it used for?
4. Think about this project and our chromatography project. How do scientists use color? How do artists use color? Give me your opinion, but back it up with specific examples and detail!
5. What are some ways you might change or improve the design of your spectroscope? You might need to do some research if no ideas come to mind.

Rubric provided on back of page.

**Due Wednesday, Nov. 9 to Google Classroom.**

PROJECT PRODUCT:

|  |  |  |
| --- | --- | --- |
|  | Light source clearly labeled and identified.  2 pts. | Quality photo – colors clearly presented and cropped for best image.  2 pts. |
| Photo 1 |  |  |
| Photo 2 |  |  |
| Photo 3 |  |  |

TOTAL: \_\_\_\_/12

QUESTION RESPONSES: 4 pts/response

|  |  |  |  |
| --- | --- | --- | --- |
| 4 Points | 3 Points | 2-1 Points | 0 Points |
| Response gives accurate detail, explaining the “how,” “why,” and giving detailed examples. | Response gives most detail aspects, although might be missing either clarity of explanation or examples. | Response given, although lacking in detail or clarity. | No response given. |

TOTAL: \_\_\_\_/20