CHEM ART

CHROMATOGRAPHY

On a separate sheet of paper, 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. Which pigments (colors) appear to be most attracted to the solvent? How do you know?
2. Which colors are the least attracted to the solvent? How do you know?
3. What unexpected colors did you find?
4. What other interesting materials might you be able to perform a chromatography test on? Think of solid states, travelling states, and solvent types. You can think how artists might use it or, if you’re more inclined, how scientists might use it. Specific examples about specific materials!

*Ex: I would be interested to see if I could repeat this process with spray paint, a bed sheet, and turpentine. I’d spray the bottom of the bedsheet with spray paint, then dip the very edge into a bucket of turpentine and let it separate out the different solubles in the paint. The effect might look like a dramatic landscape.*

1. In this project, how are art and science working together? Be very specific about the relationship. Which one informs the other and how?

Rubric provided on back of page.

**Due Friday, Oct. 14 to Google Classroom.**

PROJECT PRODUCT:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Completed with solid effort.3 pts. | Completed with minimal effort.2-1 pts. | Not completed.0 pts. |
| Example 1 (Sharpie) |  |  |  |
| Example 2 (Pen) |  |  |  |
|  |  |  |  |

TOTAL: \_\_\_\_/6

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