Rubric for Molecule Design Challenge

Preliminary Design

|  |  |  |
| --- | --- | --- |
| **Category** | **Possible Points** | **Your points** |
| **Brainstorming I****Original Stamped bubble concept map** | **10** |  |
| **Design I****Original Stamped Design** | **10** |  |
| **Test 1****Original Stamped Answers** | **10** |  |
| **Evaluation 1****Original Stamped Answers** | **10** |  |
| **Test 2****Original Stamped** **Answers** | **10** |  |
| **Evaluation 2****Original Stamped** **Answers**  | **20** |  |

Google Slide

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| --- | --- | --- | --- | --- | --- |
| Category |  | Present | Accurate | Possible Points | Your Points |
| Proper Title |  |  |  | 1 |  |
| Proper Headings |  |  |  |  |  |
|  | Design |  |  | 1 |  |
|  | Molecule Sketch |  |  | 1 |  |
|  | Final Model  |  |  | 1 |  |
|  | Molecular Geometry |  |  | 1 |  |
|  | Materials |  |  | 1 |  |
|  | Evaluation |  |  | 1 |  |
| Design/Final Brainstorming |  |  |  | 10 |  |
| Molecule Sketch  |  |  |  |  |  |
|  | Name |  |  | 2 |  |
|  | Formula |  |  | 2 |  |
|  | Color Coded |  |  | 2 |  |
|  | Atoms labeled |  |  | 2 |  |
|  | Bond Angles indicated |  |  | 2 |  |
|  | Table of Bond Angles |  |  | 2 |  |
|  | Unpaired electrons shown (if applicable) |  |  | 2 |  |
| Molecular Geometry |  |  |  | 2 |  |
| Materials  |  |  |  | 2 |  |
| Evaluation #1-#3 |  |  |  | 18 |  |
| Final Model Photo |  |  |  | 2 |  |

Model

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Category | Present | Accurate | Possible points | Your Points |
| Atoms labeled |  |  | 2 |  |
| Color Coded Atoms |  |  | 2 |  |
| Relative Size of Atoms  |  |  | 2 |  |
| Bonds Indicated |  |  | 2 |  |
| Correct Bond Angles |  |  | 2 |  |
| Unpaired Electrons  |  |  | 2 |  |

Video

|  |  |  |
| --- | --- | --- |
| Category | Possible Points | Your Points |
| Effectively sells model |  | 4 |
| Answers Challenge Questions |  | 4 |
| Focused and On Topic |  | 4 |

Additional Comments:

Total Possible Points : 159

Your Points: \_\_\_\_\_\_\_\_

Your Final Test Grade