Periodic Table Project Rubric

|  |  |  |  |
| --- | --- | --- | --- |
| **Research** | **Possible Points** | **Self-Evaluation** | **Teacher Evaluation** |
| Superhero or Villain | 1 |  |  |
| Character Name | 1 |  |  |
| Element Name | 1 |  |  |
| Who Discovered Element? | 2 |  |  |
| Discovered when? | 2 |  |  |
| Periodic Table Info (Element Name, Atomic mass, Atomic number, chemical symbol) | 4 |  |  |
| Physical Characteristics | 5 |  |  |
| Chemical Characteristics | 5 |  |  |
| Real World Uses | 4 |  |  |
|  | Total: 25 points | \_\_\_\_\_\_\_\_/25 | \_\_\_\_\_\_\_\_/25 |
| **Short Story** | **Possible Points** | **Self-Evaluation** | **Teacher Evaluation** |
| Basic Information (2pts each)* Name
* Superhero/villain
* Element name
* Who discovered the element

and when it was discovered | 8 |  |  |
| Character’s Qualities* At least 8 (2pts each)
* Includes both physical and chemical qualities (2pts)
* All relate to element (1pt)
* Appropriate qualities (1pt)
 | 20 |  |  |
| Real World Uses* At least 2 (2 pts)
* Appropriate uses (1pt)
 | 3 |  |  |
| Spelling | 3 |  |  |
| Creativity  | 6 |  |  |
|  | Total: 40 points | \_\_\_\_\_\_\_/40 | \_\_\_\_\_\_\_/40 |
| **Drawing** | **Possible Points** | **Self-Evaluation** | **Teacher Evaluation** |
| Periodic Table Info Included* Element Name, Atomic Number, Atomic Mass, and Element Symbol
 | 8 |  |  |
| At least 3 qualities in picture and listed on back of paper | 10 |  |  |
| Drawing corresponds with element’s qualities | 5 |  |  |
| Color and creativity | 7 |  |  |
|  | Total: 35 points | \_\_\_\_\_\_/35 | \_\_\_\_\_\_\_\_/35 |

FINAL GRADE (RESEARCH + STORY + DRAWING) = \_\_\_\_\_\_\_\_\_\_\_/100

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The Periodic Table of Superheroes and Villains Research

Use this paper to fill out important information related to your element to help you with your short story and drawing! The info on this paper will be graded!

|  |  |
| --- | --- |
| Is your character a superhero or villain? |  |
| What is your character’s name? |  |
| What element gives your character power? |  |
| Who discovered your element and when was it discovered? |  |
| Periodic Table information | Element Name:Chemical Symbol:Atomic Number:Atomic Mass: |
| Physical Characteristics of ElementColor, state at room temperature, boiling point, freezing point, malleability, ductility, etc.(Hint: use these ideas when deciding what your character will LOOK like. For example, sulfur is yellow so the character should be yellow in some way) |  |
| Chemical Characteristics of ElementReactivity, flammability, explosiveness!(Hint use these ideas when deciding what your character can DO—like his or her personality, their strengths and weaknesses, and their powers. For example, sodium reacts violently with water so that could be a weakness or a strength) |  |
| List two ways that your element is used in the real world |  |