

## What Element Would You Be? Student Sheet

### Purpose:

Write a one page story that compares your personality, ambitions and interests to an element from the periodic table.

### Background:

We have discussed how the structure of an atoms and electron configuration help us to understand chemical and physical behaviors of the elements of the periodic table. We also know that an element's location on the periodic table allows us to understand its' chemical and physical properties.

### Activities:

- Use your knowledge of periodic trends, reactivity, bonding and atomic structure to select an element that you would be if you were an element on the periodic table
- Write a one page story that entertains the reader and relates your personality and character to the chosen element. Use concepts such as location on the periodic table, chemical reactivity, periodic trends (ionic radius, ionization energy, electronegativity), physical properties as well as sources and uses of the element to help you relate the element to yourself.
- Create a list of ideas that can be used to relate you to your chosen element. Organize these ideas before you begin to write. You must make at least 4 different comparisons.
- Turn in a final copy, neatly written and in ink, prior to the end of class for full credit.

Grading Rubric: 30 pts.

| Item \ Points                                 | 5   | 3  | 1   |
|---|---|--|---|
| Title and On Time                             | Story has a title at the top of the page that reflects the element chosen and is turned in at the end of class. | Story has a title at the top of the page, but is doesn't reflect the element chosen or it is turned in late. | Story does not contain a title at the top of the page and it is turned in late. |
| Selection of an element of the periodic table | Focused on 1 element throughout the entire story  | Focused on 1 element throughout most of the story  | Did not focus on a single element in the story                                  |
| Comparison of element to self                 | Related at least 4 characteristics of the element to those of themselves throughout the story.                  | Related a few characteristics of the element to those of themselves throughout the story.                    | Showed little relationship between the element and themselves.                  |
| Grammar and Punctuation                       | Few minor grammar or punctuation errors   | Many grammar or punctuation errors   | Difficult to read due to poor grammar and punctuation                           |
| Neatness                                      | Story written neatly in ink with no cross outs  | Story is neat, but not in ink  | Story is not neat   |
| Creativity                                    | Story is engaging so that reader wants to continue reading  | Story is entertaining, but not totally engaging  | Story is less than entertaining to read   |