Name: _____ **Class:** _____ **Date:** _____

Meet the Elements Project

This project is worth 100 points and requires 3 parts to be completed:

- **a decorated element box – worth 25 points (due _____)**
- **an element brainstorming sheet – worth 20 points(due_____)**
- **an element fact sheet – worth 55 points (due _____)**

My element is _____.

Parent Signature _____

PART 1 – Element Box

Your mission is to research an assigned element from the periodic table and decorate a box (given to you) for that element. This element box you decorate will be used for a giant display for the entire school to see. Your display must be eye-catching, neatly done, and informative.

Requirements for Box:

- Must be done neatly
- Must incorporate 8-10 pictures or objects (with captions) to signify practical uses / important aspects of the element
- The atomic number should be large and easily distinguishable in the upper right corner of the box.
- Points will also be given for creativity, style, and effort!

Notes:

- Name should be on BACK of element
- Attach pictures NEATLY – using glue stick or double stick tape

Name _____ **Date** _____

PART 2

Meet The Elements – Fact Brainstorming sheet – 20 points

1. My element's atomic number is _____.

2. An average atom of this element has _____ protons, _____ electrons, and (8th)_____ neutrons.

3. (8th)An atom of this element has _____ shells and _____ valence electrons.

4. What was your element named after?

_____

_____

_____

5. Where was your element discovered?

_____

_____

_____

6. Who discovered the element?

_____

_____

_____

7. When was your element discovered?

_____

_____

8. Where can it be found?

_____

_____

_____

9. Does the human body use it?

10. What are some of its main uses? Do we experience this element in everyday life? How?

11. Is it poisonous / hazardous?

12. In what compounds or forms is it commonly found?

13. How abundant is it?

14. What group (family/ column) is it in on the Periodic Table?

15. What are some of its properties? (physical and chemical)

16. What state of matter is it commonly found in?

17. Find at LEAST 3 interesting facts about this element?

18. 8th – include a drawing of its atomic structure