Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Model of an Atom Project

Instructions

To make a 3D model of an atom:

1. Please select from elements **#5 - #20**
2. Use your imagination and creativity in selecting materials for this project. It can be presented as a suspended from something like a coat hanger, or any other hanger. Feel free to use gumdrops, mini marshmallows, jelly beans, Styrofoam balls, paints, fabric, cut paper, etc. to represent the parts of an atom.
3. Your model should clearly show the major parts of an atom:
4. the nucleus which is made up of protons and neutrons
5. electrons which orbit around the nucleus.
6. Your model should show that there is empty space between the nucleus and the electrons.
7. Label each part or make a key. Use the Periodic Table of the Elements in your book for information.

Your grade will be based on:

\* Demonstrating a knowledge and understanding of the parts of the atom \* A neat and creative visual presentation \* The model is original. It presents a familiar topic (the parts of the atom) in an unfamiliar way.

DUE DATE: **Monday, November 13, 2017**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_

3D MODEL OF ATOM RUBRIC

Checklist and Grading Rubric

My Element is\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Before turning in your project, review each item below. Be sure to put a check mark in each box when you are finished. This sheet should be turned in with your project.

Grading Rubric:

* Number of Protons is correct (5 pts.) \_\_\_\_\_
* Number of Neutrons is correct (5 pts.) \_\_\_\_\_
* Number of Electrons is correct (5 pts.) \_\_\_\_\_
* Your atom is correctly labeled. (3 pts.) \_\_\_\_\_
* Electron Shells are patterned correctly. (5pts.) \_\_\_\_\_
* You have included:

Name of Element

Atomic Number

Atomic Mass

Solid, liquid, or gas. (4 pts.) \_\_\_\_\_

* 5 interesting facts are presented (5 pts.) \_\_\_\_\_
* Spelling is correct. (3 pts.) \_\_\_\_\_
* Labeling, assembly are neatly done (3 pts.) \_\_\_\_\_
* Creativity (5 pts) \_\_\_\_\_\_

Total and mark \_\_\_\_\_

43

**Minus 2 points if the project is turned in one week late. After that, an additional 1 point for each day of lateness is taken from the total mark.**