Names \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Periodic Table of WHAT?!**

Step 1 – Main Category – Use the list below to choose what you will create a periodic table on. If you would like to use something that is not listed below, you must have it approved by your teacher.

Movies Celebrities Food Shoes Clothes Colors

Sports Restaurants Games Music Books Youtube Videos

**List your choice here** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Step 2 – Families – The “Elements” in the Periodic table are grouped into Families, which are the vertical columns on the chart. Elements in Families have similar properties. Your table should have a minimum of four families (sub-categories). Use the space below to organize your ideas and come up with four families for your project. \*\*REMINDER – you must have a numerical way to list in each family (price, calories, pages, etc.)

Ideas

Final 4

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Step 3 – List your “Elements”. You must have at least 20 elements on your periodic table.

Family #1

Family #2

Family #3

Family #4

* Step 4 – Numerical Order – Elements are organized on the table according to their atomic number, usually found near the top of the square. The atomic number refers to how many protons an atom of that element. Each element on your chart must have a number assigned to it (this could be cost, time, size, calories, temperature, etc.)

What numerical value are you organizing by? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Organized list – in order from smallest number to largest number.

Family #4

Name Numerical Value

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

Family #3

Name Numerical Value

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

Family #2

Name Numerical Value

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

Family #1

Name Numerical Value

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 5 – Symbol - Every element on the Periodic Table has a symbol to identify. This symbol is a type of shorthand to make it easier to identify. The symbol consists of a capital letter, and sometimes, a lower case letter. The symbol will never be more than two letters.

Step 6 – Atomic Mass – Elements are also sorted by their Atomic Mass. This is the mass of one atom of that element. The Atomic Mass of your elements could be their price, calories, number of gold records, rating stars. This number increases along with the atomic number.

Step Visual Aid – You must create a visual aid to display your periodic table. Please check with your teacher

Type of visual aid you will use \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Periodic Table of What Project Checklist:

1. \_\_\_\_\_ I have determined how I will sort my “elements” into families.
2. \_\_\_\_\_ I have listed my “elements” and placed them in the correct family.
3. \_\_\_\_\_ I have at least 20 different elements.
4. \_\_\_\_\_ I have arranged my “elements” numerically within their family.
5. \_\_\_\_\_ I have sketched my periodic table on a piece of notebook paper.
6. \_\_\_\_\_ All of my element boxes have a symbol, element name, atomic number, and atomic mass.
7. \_\_\_\_\_ I have begun my visual aid.
8. \_\_\_\_\_ My periodic table has a key explaining how it is organized.
9. \_\_\_\_\_ I have finished my visual aid (color, neat, has a title).