

Name: _____

Due Date: _____

Create Your Own Periodic Table Project

The Periodic Table of the Elements

1 H Hydrogen 1.00794																	2 He Helium 4.003							
3 Li Lithium 6.941																	10 Ne Neon 20.1797							
4 Be Beryllium 9.012182																	11 Na Sodium 22.989770	12 Mg Magnesium 24.3050	13 B Boron 10.811	14 C Carbon 12.0107	15 N Nitrogen 14.00643	16 O Oxygen 15.9994	17 F Fluorine 18.9984032	18 Ar Argon 39.948
19 K Potassium 39.0983	20 Ca Calcium 40.078	21 Sc Scandium 44.955910	22 Ti Titanium 47.867	23 V Vanadium 50.9415	24 Cr Chromium 51.9961	25 Mn Manganese 54.938049	26 Fe Iron 55.845	27 Co Cobalt 58.933200	28 Ni Nickel 58.6934	29 Cu Copper 63.546	30 Zn Zinc 65.39	31 Ga Gallium 69.723	32 Ge Germanium 72.61	33 As Arsenic 74.92160	34 Se Selenium 78.96	35 Br Bromine 79.904	36 Kr Krypton 83.80							
37 Rb Rubidium 85.4678	38 Sr Strontium 87.62	39 Y Yttrium 88.90585	40 Zr Zirconium 91.224	41 Nb Niobium 92.90638	42 Mo Molybdenum 95.94	43 Tc Technetium (98)	44 Ru Ruthenium 101.07	45 Rh Rhodium 106.42	46 Pd Palladium 107.8682	47 Ag Silver 107.865	48 Cd Cadmium 112.411	49 In Indium 114.818	50 Sn Tin 118.710	51 Sb Antimony 121.760	52 Te Tellurium 127.60	53 I Iodine 126.90447	54 Xe Xenon 131.29							
55 Cs Cesium 132.90545	56 Ba Barium 137.327	57 La Lanthanum 138.9055	58 Ce Cerium 140.116	59 Pr Praseodymium 140.90765	60 Nd Neodymium 144.24	61 Pm Promethium (145)	62 Sm Samarium 150.36	63 Eu Europium 151.964	64 Gd Gadolinium 157.25	65 Tb Terbium 158.92534	66 Dy Dysprosium 162.50	67 Ho Holmium 164.93032	68 Er Erbium 167.26	69 Tm Thulium 168.93421	70 Yb Ytterbium 173.04	71 Lu Lutetium 174.967								
87 Fr Francium (223)	88 Ra Radium (226)	89 Ac Actinium (227)	90 Th Thorium 232.0381	91 Pa Protactinium 231.03888	92 U Uranium 238.0289	93 Np Neptunium (237)	94 Pu Plutonium (244)	95 Am Americium (243)	96 Cm Curium (247)	97 Bk Berkelium (247)	98 Cf Californium (251)	99 Es Einsteinium (252)	100 Fm Fermium (257)	101 Md Mendelevium (288)	102 No Nobelium (259)	103 Lr Lawrencium (262)								

Purpose: To demonstrate an understanding of families and their arrangement on the Periodic Table of Elements.

Requirements:

1. Create a periodic table out of everyday objects. You may use pictures from magazines, catalogs, clipart, photographs, or actual small objects **(No real candy or food)**. You may use pictures of candy or food.
2. Glue the pictures or objects to one-half of a poster board **(14" x 22")**
3. The table must a minimum of 5 periods (rows) and 8 families (columns).
4. Include a title on the top of your poster, your name, date, and period.

The Groups or Families:

- Must be names (you can use the name or characteristic of the actual items)
- Must have a common property
- Must change from top to bottom in a logical way

The Periods:

- Must change from left to right similar to the Period Table, except for the 1st period which is different all the others (ex. Hydrogen)
- Period 1 has only 2 objects.
- Period 2-5 need to have 8 objects.
- Elements on the periods have little in common, so your objective is on the families and the periods will fall into order.



Key:

- Make a key/legend to explain how your table is arranged which includes the names of each family.

Format for the Periodic Table:

Grading Rubric

	5	3	1
Periodic Table arranged by Families	<ul style="list-style-type: none"> *Families all related *Each Family member is different *Periodicity in families Hydrogen is different from the first family 	<ul style="list-style-type: none"> *Families all related, but family members the same OR *Families not related, but family members each different 	<ul style="list-style-type: none"> *Attempt at 8 different families
Key	<ul style="list-style-type: none"> *Key with clear description of each family 	<ul style="list-style-type: none"> *Key designating family name but no description 	
Creativity	<ul style="list-style-type: none"> *Pictures, drawings, designs by student *Effort is evident *Periodic Table makes sense 	<ul style="list-style-type: none"> *No pictures, just descriptive words *Neatly done, effort there *Periodic table makes sense 	<ul style="list-style-type: none"> *Poorly done with little effort put forth *Makes no sense or little sense

_____/15 points possible

Examples can be found on my webpage

<https://www.fsd1.org/schools/southside/jtrussell/Pages/default.aspx>

