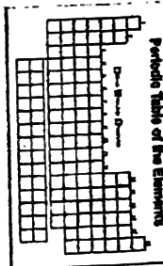


Name:

Per:

Periodic Table Coloring Activity



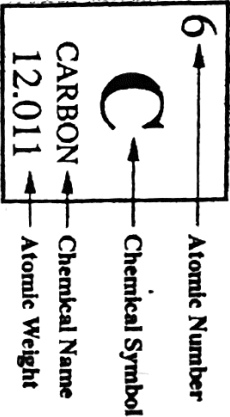
Instructions for Labeling/Coloring the Periodic Table of the Elements:

1. Number the groups at the top. (1-18)
2. Number the periods on the left-hand side of the table. (1-7)
3. With a black marker, darken the "stair step" line that starts under Boron and extends down to Po and At. This is the division line between metals and nonmetals. (Use your Reference tables as a guide for where it should be) Metals (with the exception of hydrogen, are to the left of the stair-step line). Nonmetals (including hydrogen, are to the right of the stair-step line).
4. With a Marker-Outline the boxes of metals purple, nonmetals yellow, and metalloids (Only B, Si, Ge, As, Sb, and Te) **black**
5. Label the group names at the top of each column. (For the transition metals you can write the name across columns 3-12)
6. Use colored pencils to color in the following groups. (You must choose the color for each group)
  - a. Alkali Metals- Group 1 (With the exception of hydrogen)
  - b. Alkaline Earth Metals- Group 2
  - c. Transition Metals- Groups 3-12
  - d. Lanthanides and Actinides- 2 Rows Separated at the bottom
  - e. Halogens- Group 17
  - f. Noble Gases- Group 18
7. Make a key with legend for your labels/colors.

KEY

A large empty rectangular box for drawing or writing.

# The Periodic Table of Elements



1 H HYDROGEN 1.0079	2 He HELIUM 4.0026	3 Li LITHIUM 6.941	4 Be BERYLLIUM 9.0122	5 B BORON 10.811	6 C CARBON 12.011	7 N NITROGEN 14.007	8 O OXYGEN 15.999	9 F FLUORINE 18.998	10 Ne NEON 20.180
11 Na SODIUM 22.990	12 Mg MAGNESIUM 24.305	13 Al ALUMINUM 26.982	14 Si SILICON 28.086	15 P PHOSPHORUS 30.974	16 S SULFUR 32.066	17 Cl CHLORINE 35.453	18 Ar ARGON 39.948	19 K POTASSIUM 39.0983	20 Ca CALCIUM 40.078
21 Sc SCANDIUM 44.956	22 Ti TITANIUM 47.867	23 V VANADIUM 50.942	24 Cr CHROMIUM 51.996	25 Mn MANGANESE 54.938	26 Fe IRON 55.845	27 Co COBALT 58.933	28 Ni NICKEL 58.693	29 Cu COPPER 63.546	30 Zn ZINC 65.38
37 Rb RUBIDIUM 85.468	38 Sr STRONTIUM 87.62	39 Y YTRBIUM 88.906	40 Zr ZIRCONIUM 91.224	41 Nb NIOBIUM 92.906	42 Mo MOLYBDENUM 95.95	43 Tc TECHNETIUM [98]	44 Ru RUTHENIUM 101.07	45 Rh RHODIUM 102.91	46 Pd PALLADIUM 106.42
55 Cs CESIUM 132.91	56 Ba BARIUM 137.33	72 Hf HAFNIUM 178.49	73 Ta TANTALUM 180.95	74 W TUNGSTEN 183.84	75 Re RHENIUM 186.21	76 Os OSMIUM 190.23	77 Ir IRIDIUM 192.22	78 Pt PLATINUM 195.08	79 Au GOLD 196.97
87 Fr FRANCIUM [223]	88 Ra RADIUM [226]	104 Rf RUFORDIUM [263]	105 Db DUBNIUM [268]	106 Sg SEABORGIUM [271]	107 Bh BOHRIUM [270]	108 Hs HASSIUM [270]	109 Mt MEITNERIUM [278]	110 Ds DUBNIUM [281]	111 Rg ROBERTSERIUM [281]
101 Md Mendelevium [258]	102 No Nobelium [259]	103 Lr Lawrencium [262]	104 Rf Rufordium [263]	105 Db Dubnium [268]	106 Sg Seaborgium [271]	107 Bh Bohrium [270]	108 Hs Hassium [270]	109 Mt Meitnerium [278]	110 Ds Dubnium [281]

## METALS

## NON-METALS

**KEY**

- ☐ = Solid at room temperature
- ◐ = Liquid at room temperature
- ☁ = Gas at room temperature
- ☼ = Radioactive
- ⚡ = Artificially Made

57 La LANTHANUM 138.91	58 Ce CELIUM 140.12	59 Pr PRASEODYMIUM 140.91	60 Nd NEODYMIUM 144.24	61 Pm PROMETHIUM [145]	62 Sm SAMARIUM 150.36	63 Eu EUROPIUM 151.96	64 Gd GADOLINIUM 157.25	65 Tb TERBIUM 158.93	66 Dy DYSPROSIUM 162.50
89 Ac ACTINIUM [227]	90 Th THORIUM 232.04	91 Pa PROTACTINIUM 231.04	92 U URANIUM 238.03	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 [258]	102 No Nobelium [259]	103 Lr Lawrencium [262]	104 Rf Rufordium [263]	105 Db Dubnium [268]	106 Sg Seaborgium [271]	107 Bh Bohrium [270]	108 Hs Hassium [270]