

Periodic Table Coloring Activity

You have been given a black and white periodic table that needs some color according to the following directions. You will find the following pages in your text book helpful: 17 and 140-141

You may use any colors you like unless specified. Like the diagrams in your book, make a color key so your periodic table may be accurately read. Some boxes may be shaded multiple colors – just make sure you can see them all! Have fun and make them pretty. You don't want to stare at an ugly periodic table 😊

1. State of Matter at Room Temperature (solid, liquid, or gas)

- There are two elements that are liquid at room temperature: Hg and Br. Using a blue marker outline the symbols.
- 11 elements exist as gases at room temperature. Outline their symbols using a red marker. H, He, N, O, F, Ne, Cl, Ar, Kr, Xe, Rn
- The remaining elements are solid at room temperature – leave those alone.

2. Metals vs. Nonmetals (pg 17)

- With a dark marker add the “stair step” pattern that starts under Boron and extends down to Po and At. This is the division line between metals and nonmetals.
- Choose a marker of any color and outline the area where nonmetals are found (don't forget about Hydrogen!)
- Choose a different color marker and outline the area in the periodic table where the metals are found.

3. Metalloids

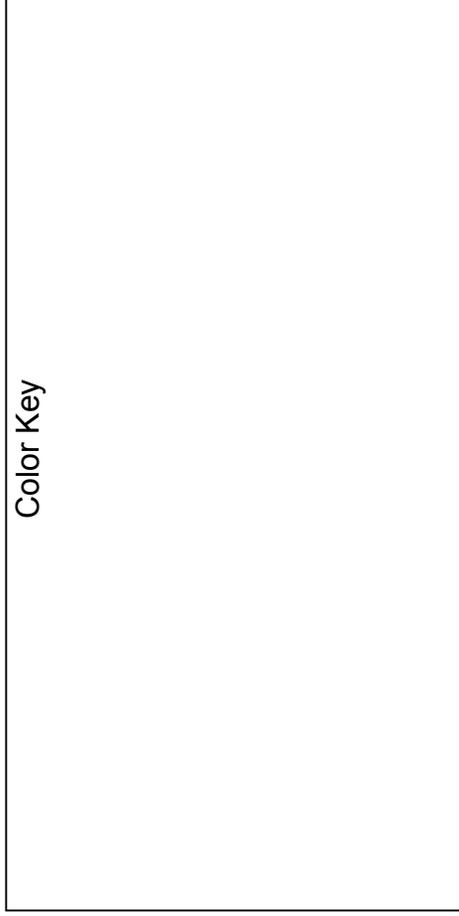
- Choose any color of a color pencil or crayon and shade in the following elements: B, Si, Ge, As, Sb, Te, Po, and At (*for At only color half the box*). These elements are called metalloids and exhibit both metallic and nonmetallic properties.

4. Specific Families and Blocks (use pg 140-141 to help)

- Using color pencils or crayons color each of the following a different color
 - Alkali Metals
 - Alkaline Earth Metals
 - Transition Metals
 - Other metals or Inner Transition Metals
 - Halogens
 - Noble Gases
 - All the rest of the nonmetals (other nonmetals) not in a named family (don't forget about Hydrogen!)

*Should have 12 different color types and items in your Key

The Periodic Table



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|--------------------------------------|--|--|---------------------------------------|---|---------------------------------------|--|---|--|---|---|--------------------------------------|--|---------------------------------------|---|--------------------------------------|--|---------------------------------------|---|--|---|-----------------------------------|--|--------------------------------------|---|--------------------------------------|--------------------------------------|---------------------------------------|--|--------------------------------------|---|--------------------------------------|--|---------------------------------------|---------------------------------------|--|---|--|---------------------------------------|--|---|--|---|---------------------------------------|--------------------------------------|-----------------------------------|--|--|---|--------------------------------------|--|--------------------------------------|--|--------------------------------------|--|--|--|---------------------------------------|--|---|---|---|---|-------------------------------------|---|--|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|-----------------------------------|
| 1 H Hydrogen 1.00794 | 2 He Helium 4.003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Li Lithium 6.941 | 4 Be Beryllium 9.012182 | 5 B Boron 10.811 | 6 C Carbon 12.0107 | 7 N Nitrogen 14.00674 | 8 O Oxygen 15.9994 | 9 F Fluorine 18.9984032 | 10 Ne Neon 20.1797 | 11 Na Sodium 22.989770 | 12 Mg Magnesium 24.3050 | 13 Al Aluminum 26.981538 | 14 Si Silicon 28.0855 | 15 P Phosphorus 30.973761 | 16 S Sulfur 32.066 | 17 Cl Chlorine 35.4527 | 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 102.90550 | 46 Pd Palladium 106.42 | 47 Ag Silver 107.8682 | 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 231.03588 | 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 (258) | 102 No Nobelium (259) | 103 Lr Lawrencium (262) | 80 Hg Mercury 200.59 | 81 Tl Thallium 204.3833 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.98038 | 84 Po Polonium (209) | 85 At Astatine (210) | 86 Rn Radon (222) | 81 Hg Mercury 200.59 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208 |