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Instruments for Research and Industry  
 108 Franklin Avenue  
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When you cut the flat folds to form a 2 inch cube. This is of particular interest to cement chemists. It is a 2 inch cube and is used to test the strength-developing properties of cement which is a very important ASTM standard test. The elements are allotted space in approximate proportion to their importance in cement chemistry.

The  
**CEMENT-CHEMISTS' PERIODIC CUBE**  
 by J. Francis Young  
 Prof. Civil & Ceramic Eng.  
 University of Illinois

<b>H</b> 1.008	<b>He</b> 4.003
<b>Li</b> 6.941	<b>Mg</b> 24.31
<b>Na</b> 22.99	<b>Ca</b>
<b>K</b> 39.10	
<b>Rb</b> 85.47	<b>Sr</b>
<b>Cs</b> 132.91	<b>Ba</b>
<b>Fr</b> 223.0	<b>Ra</b>

**Transillon Elements**

<b>V</b> 50.94	<b>Cr</b> 52.00	<b>Mn</b> 54.94	<b>Fe</b> 55.85	<b>Co</b> 58.93	<b>Zn</b> 65.38
<b>Ti</b> 47.88	<b>Ni</b> 58.71	<b>Cu</b> 63.55	<b>Ni</b> 58.71	<b>Cu</b> 63.55	
<b>Y</b> 88.91	<b>Zr</b> 91.22	<b>Nb</b> 92.91	<b>Mo</b> 95.94	<b>Tc</b> 98.91	<b>Ru</b> 101.07
<b>La</b> 138.91	<b>Hf</b> 178.49	<b>Ta</b> 180.95	<b>W</b> 183.85	<b>Re</b> 186.21	<b>Os</b> 190.23
	<b>Rf</b> 261.10	<b>Ac</b> 227.03	<b>Rf</b> 261.10		

**Lanthanides**

<b>Co</b> 58.93	<b>Pt</b> 195.08	<b>Hd</b> 164.93	<b>Pm</b> 144.91	<b>Sm</b> 150.36	<b>Eu</b> 151.96	<b>Gd</b> 157.25
<b>Tb</b> 158.93	<b>Dy</b> 162.50	<b>Ho</b> 164.93	<b>Er</b> 167.26	<b>Tm</b> 168.93	<b>Yb</b> 173.05	<b>Lu</b> 174.97

**Actinides**

<b>Th</b> 232.04	<b>Pa</b> 231.04	<b>U</b> 238.03	<b>Np</b> 237.05	<b>Pu</b> 244.06	<b>Am</b> 243.06	<b>Cm</b> 247.07
<b>Bk</b> 247.07	<b>Cf</b> 251.08	<b>Es</b> 252.08	<b>Fm</b> 257.09	<b>Md</b> 258.10	<b>No</b> 259.10	<b>Lr</b> 260.11

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<b>B</b> 10.81	<b>C</b> 12.01	<b>N</b> 14.01	<b>O</b> 16.00	<b>F</b> 18.99	<b>He</b> 4.00
<b>Al</b> 26.98	<b>Si</b> 28.09	<b>P</b> 30.97	<b>S</b> 32.06	<b>Cl</b> 35.45	<b>Ne</b> 20.18
<b>Ga</b> 69.72	<b>Ge</b> 72.64	<b>As</b> 74.92	<b>Se</b> 78.96	<b>Br</b> 79.90	<b>Kr</b> 83.80
<b>In</b> 114.82	<b>Sn</b> 118.71	<b>Sb</b> 121.76	<b>Te</b> 127.60	<b>I</b> 126.91	<b>Xe</b> 131.29
<b>Tl</b> 204.38	<b>Pb</b> 207.2	<b>Bi</b> 208.98	<b>Po</b> 209	<b>At</b> 210	<b>Rn</b> 222