

Table II gives the energies of certain absorption edges and characteristic radiation from several elements. Note that the values are in energy (eV). Also given is the mass absorption coefficient of each element for Mo  $K\alpha$  x-rays and for Cu  $K\alpha$  x-rays.

TABLE II

atom-atomic #	$K\alpha$ (eV)	$L\alpha$ (eV)	K edge(eV)	L edge (eV)	$\mu_m(\text{cm}^2/\text{gm})$ Mo	$\mu_m(\text{cm}^2/\text{gm})$ Cu
N - 7	390		400	10	0.79	7.14
<b>O - 8</b>	<b>520</b>		<b>532</b>	<b>12</b>	<b>1.147</b>	<b>11.03</b>
Mg - 12	1254	43	1303	49	3.98	40.88
<b>Al - 13</b>	<b>1487</b>	<b>66</b>	<b>1559</b>	<b>72</b>	<b>5.04</b>	<b>50.23</b>
Si - 14	1739	93	1837	98	6.53	65.32
<b>Cl - 17</b>	<b>2622</b>	<b>194</b>	<b>2820</b>	<b>198</b>	<b>11.64</b>	<b>109.2</b>
K - 19	3312	278	3608	296	16.2	148.4
<b>Ca - 20</b>	<b>3690</b>	<b>340</b>	<b>4039</b>	<b>349</b>	<b>19</b>	<b>171</b>
Ti - 22	4507	452	4966	459	23.25	202.4
<b>Cr - 24</b>	<b>5413</b>	<b>571</b>	<b>5987</b>	<b>574</b>	<b>29.25</b>	<b>252.3</b>
Fe - 26	6408	705	7114	706	37.74	304.4
<b>Co - 27</b>	<b>6928</b>	<b>775</b>	<b>7707</b>	<b>779</b>	<b>41.02</b>	<b>338.6</b>
Cu - 29	8052	930	8985	933	49.34	51.54
<b>Zn - 30</b>	<b>8632</b>	<b>1012</b>	<b>9665</b>	<b>1033</b>	<b>55.46</b>	<b>59.51</b>
Ge - 32	9883	1166	11100	1217	60.47	67.92
<b>Mo - 42</b>	<b>17552</b>	<b>2292</b>	<b>20032</b>	<b>2480</b>	<b>18.44</b>	<b>158.3</b>