

Aluminum	D_Aluminum	Barium	D_Barium	Cadmium	D_Cadmium	Calcium	D_Calcium	Cesium-137	D_Cesium-13	Chromium	D_Chromium	Cobalt	D_Cobalt	Copper	D_Copper
14000	1	203	1	0.609	0	2260	1	0.184	1	11.7	1	5.76	1	9.31	1
9340	1	136	1	0.597	0	2100	1	0.247	1	9.34	1	4.36	1	7.67	1
13400	1	226	1	0.569	0	2130	1	0.15	1	24.5	1	17.3	1	7.96	1
7520	1	150	1	0.571	0	2320	1	0.123	1	27.1	1	4.19	1	8.09	1
12600	1	192	1	0.565	0	2060	1	0.286	1	18.1	1	6.31	1	7.14	1
11000	1	180	1	0.207	1	2280	1	0.142	1	17	1	6.34	1	11	1
10600	1	190	1	0.234	1	2490	1	0.158	1	43	1	6.05	1	9.36	1
11200	1	200	1	0.21	1	2210	1	0.124	1	31	1	6.11	1	7.63	1
9660	1	209	1	0.574	0	2280	1	0.304	1	13.3	1	6.56	1	10.4	1
19200	1	222	1	0.574	0	2650	1	0.108	1	20	1	6.76	1	11.5	1
9430	1	101	1	0.601	0	1830	1	0.146	1	42.9	1	4.86	1	5.92	1
5340	1	59.9	1	0.228	1	988	1	0.226	1	8.36	1	2.01	1	6.67	1
13800	1	218	1	0.599	0	2630	1	0.0992	1	69.8	1	6.95	1	8.02	1
6290	1	75.9	1	0.565	0	1010	1	0.000719	0	19.2	1	3.8	1	7.87	1
7330	1	96.9	1	0.187	1	1850	1	0.714	1	23.9	1	4.52	1	7.15	1
5440	1	72.5	1	0.204	1	1670	1	0.7	1	14.5	1	2.18	1	5.3	1
4640	1	56.3	1	0.194	1	1360	1	0.696	1	11.3	1	1.8	1	5.36	1
4600	1	61.5	1	0.184	1	1390	1	0.726	1	18.8	1	1.94	1	6.94	1
6720	1	121	1	0.364	1	4640	1	0.838	1	13	1	3.44	1	9.44	1
2980	1	31.1	1	0.132	1	588	1	0.514	1	2.82	1	1.47	1	2.51	1
3590	1	36.9	1	0.594	0	1190	1	0.79	1	8.03	1	1.69	1	3.33	1
2230	1	19.6	1	0.566	0	526	1	0.32	1	2.33	1	0.888	1	2.12	1
2820	1	40.5	1	0.54	0	991	1	0.15	1	4.63	1	1.82	1	3.25	1
2280	1	23.7	1	0.52	0	761	1	0.244	1	5.74	1	0.893	1	2.49	1
10800	1	197	1	0.224	1	2100	1	-0.0193	0	31.3	1	6.18	1	8.17	1
13000	1	257	1	0.291	1	2270	1	0.117	1	16.1	1	7.79	1	7.22	1
10100	1	503	1	0.2	1	1790	1	0.11	1	14.2	1	5.2	1	29	1
11400	1	346	1	0.241	1	2410	1	0.0995	0	20	1	6.45	1	14.3	1
11000	1	197	1	0.281	1	2290	1	0.284	1	27.2	1	5.69	1	18.5	1
9460	1	204	1	0.275	1	2450	1	0.0534	0	21.4	1	5.8	1	10.7	1
9800	1	207	1	0.191	1	2140	1	0.148	1	74.3	1	5.47	1	9.11	1
10500	1	200	1	0.228	1	2260	1	0.237	1	56.8	1	6.57	1	7.53	1
9350	1	161	1	0.152	1	2540	1	0.163	1	12	1	4.65	1	6.58	1
11000	1	175	1	0.183	1	2120	1	0.473	1	13.9	1	6.71	1	7.82	1
9090	1	178	1	0.192	1	2210	1	0.113	1	10	1	5.77	1	10.8	1
15600	1	172	1	0.172	1	2200	1	0.207	1	13.7	1	5.88	1	7.92	1
12000	1	215	1	0.168	1	2310	1	0.49	1	19.6	1	6.51	1	11.3	1
10800	1	196	1	0.196	1	2350	1	0.0466	0	17.6	1	6.48	1	8.06	1
11700	1	179	1	0.542	0	2150	1	0.0847	0	17.8	1	6.61	1	6.06	1
13000	1	233	1	0.598	0	2390	1	0.124	1	15.4	1	5.06	1	8.25	1

11000	1	155	1	0.126	1	1880	1			11.1	1	6.11	1	5.95	1
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Iron	D_Iron	Lead	D_Lead	Magnesium	D_Magnesium	Manganese	D_Manganese	Nickel	D_Nickel	Plutonium-239	D_Plutonium-239	RDX	D_RDX	Silver	D_Silver
14500	1	14.4	1	2260	1	415	1	8.56	1	0.00714	0	0.5	0	0.414	1
11800	1	11	1	1820	1	345	1	7.03	1	0.017	0	0.5	0	0.396	1
13900	1	18.4	1	1950	1	802	1	8.71	1	0.00555	0	0.5	0	0.503	1
10700	1	8.71	1	1650	1	414	1	7.68	1	0.00708	0	0.5	0	0.436	1
13500	1	14.4	1	1970	1	460	1	7.45	1	0.00826	0	0.5	0	0.348	1
15800	1	41	1	2090	1	519	1	7.76	1	0.00393	0	0.5	0	0.58	0
14400	1	15	1	1900	1	451	1	10.9	1	0.0105	0	0.5	0	0.61	0
13800	1	15.4	1	1890	1	485	1	9.27	1	0.0231	0	0.5	0	0.572	0
13900	1	15.2	1	1980	1	468	1	8.54	1	0.0186	0	0.5	0	0.193	1
17200	1	16.1	1	2720	1	440	1	10.3	1	0.00142	0	0.5	0	0.197	1
16000	1	12	1	1720	1	301	1	9.08	1	0.00569	0	0.5	0	0.601	0
13500	1	10.7	1	1090	1	314	1	3.78	1	0.0179	0	0.5	0	0.642	0
14300	1	14.4	1	2070	1	520	1	12.1	1	0.0113	0	0.5	0	0.349	1
12200	1	7.65	1	1180	1	286	1	6.08	1	0.00356	0	0.5	0	0.565	0
14100	1	13.9	1	1380	1	355	1	6.29	1	0.0478	1	0.5	0	0.628	0
11700	1	11	1	1190	1	330	1	5.89	1	0.0353	1	0.5	0	0.568	0
10500	1	9.35	1	984	1	318	1	5.14	1	0.0458	1	0.5	0	0.602	0
10300	1	11.7	1	966	1	273	1	5.01	1	0.0404	1	0.5	0	0.666	0
12400	1	20.2	1	1710	1	451	1	6.05	1	0.0682	1	0.5	0	0.658	0
7800	1	6.55	1	576	1	203	1	1.79	1	0.0183	0	0.5	0	0.609	0
12800	1	8.12	1	782	1	203	1	3.58	1	0.0343	1	0.5	0	0.594	0
8080	1	6.71	1	320	1	145	1	1.76	1	0.0172	0	0.5	0	0.592	1
8330	1	6.43	1	662	1	238	1	2.63	1	0.00613	0	0.5	0	0.54	0
7990	1	4.75	1	476	1	203	1	1.97	1	0.0144	0	0.5	0	0.118	1
12200	1	16.4	1	1910	1	475	1	9	1	-0.00276	0	0.5	0	0.482	1
14600	1	17	1	2330	1	567	1	8.17	1	-1.43E-10	0	0.239	1	0.693	1
12100	1	20.2	1	1640	1	386	1	6.38	1	0.0058	0	49.4	1	0.456	1
13300	1	16.3	1	1980	1	467	1	7.79	1	0.00252	0	0.246	1	0.682	1
12300	1	15.6	1	1810	1	411	1	8.47	1	0.00389	0	0.113	1	0.589	1
12200	1	16	1	1860	1	427	1	8.22	1	0.0126	0	0.5	0	0.632	1
12000	1	13	1	1820	1	362	1	8.87	1	-0.00425	0	0.5	0	0.594	1
13900	1	15.3	1	1930	1	465	1	11.3	1	0.00117	0	0.127	1	0.796	1
10900	1	12	1	1740	1	337	1	7.95	1	0.0134	0	0.5	0	0.624	1
13800	1	14.9	1	1940	1	415	1	7.84	1	0.00926	0	0.5	0	0.803	1
12600	1	14.4	1	1820	1	387	1	6.62	1	0.0166	0	0.5	0	0.787	1
15000	1	15.2	1	2190	1	360	1	7.94	1	0.0149	0	0.5	0	0.834	1
13900	1	15	1	2010	1	471	1	9.16	1	0.0121	0	0.5	0	0.964	1
13200	1	15.4	1	1820	1	464	1	7.86	1	0.0204	0	0.5	0	0.761	1
14000	1	14.3	1	2120	1	416	1	8.39	1	0.00784	0	0.5	0	0.831	1
14400	1	13.1	1	2110	1	331	1	9.34	1	0.00654	0	0.5	0	0.744	1

13900	1	14.1	1	1940	1	372	1	8.72	1	0.0125	0	0.5	0	0.927	1
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Uranium	D_Uranium	Uranium-234	D_Uranium-2	Uranium-235	D_Uranium-2	Uranium-238	D_Uranium-2	Vanadium	D_Vanadium	Zinc	D_Zinc
2.05	1	1.32	1	0.0867	0	1.47	1	28.3	1	29.3	1
3.94	1	1.46	1	0.0677	0	1.55	1	24	1	26.3	1
1.84	1	1.26	1	0.0812	1	1.48	1	28.5	1	26.1	1
2.79	1	1.32	1	0.0575	0	1.32	1	23.2	1	21.1	1
1.49	1	1.63	1	0.106	1	1.87	1	28.4	1	25.8	1
1.75	1	1.34	1	0.105	1	1.42	1	33.4	1	33.9	1
2.07	1	1.63	1	0.154	1	1.78	1	30.3	1	28.6	1
1.84	1	1.47	1	0.123	1	1.55	1	29.8	1	28.6	1
3.2	1	1.66	1	0.0911	1	1.89	1	30.7	1	31	1
1.84	1	1.2	1	0.0793	0	1.32	1	34.4	1	36.3	1
3.59	1	1.54	1	0.103	1	1.55	1	25	1	41	1
4.92	1	1.98	1	0.107	1	2.32	1	12.3	1	52.4	1
1.25	1	1.82	1	0.132	1	2.02	1	28.8	1	25.9	1
0.798	1	0.593	1	0.0277	0	0.743	1	16.1	1	35	1
5.55	1	2.65	1	0.161	1	3.64	1	22.2	1	42.3	1
19.1	1	2.5	1	0.153	1	2.9	1	11	1	47	1
5.41	1	2.24	1	0.205	1	3.05	1	9.15	1	42.2	1
6.78	1	2.58	1	0.116	1	2.91	1	9.98	1	41	1
8.43	1	2.86	1	0.22	1	3.68	1	16.3	1	55.8	1
1.56	1	1.14	1	0.0708	1	1.6	1	7.98	1	30.3	1
3.18	1	1.91	1	0.0915	1	2.44	1	13.2	1	47.4	1
2.08	1	0.679	1	0.0202	0	0.868	1	7.52	1	26.3	1
1.25	1	1.03	1	0.0764	1	1.25	1	9.36	1	34	1
1.07	1	1.15	1	0.0832	1	1.43	1	6.11	1	35.9	1
2.59	1	0.891	1	0.0487	0	0.828	1	25.7	1	23.9	1
1.67	1	1.26	1	0.0886	1	1.36	1	30.4	1	29	1
1.72	1	1.27	1	0.0987	1	1.43	1	23.6	1	30.5	1
2.5	1	1.5	1	0.0987	1	1.82	1	25.9	1	36.4	1
1.68	1	1.66	1	0.0944	1	1.85	1	24.7	1	26.9	1
2.92	1	1.3	1	0.0884	1	1.46	1	25.4	1	28.7	1
3.59	1	1.94	1	0.127	1	2.07	1	23.2	1	37.3	1
1.92	1	1.8	1	0.1	1	2.21	1	28.1	1	26.7	1
2.24	1	2.21	1	0.132	1	2.58	1	21.2	1	23.3	1
2.15	1	1.48	1	0.0625	0	1.57	1	27.4	1	30.1	1
8.68	1	4.15	1	0.2	1	4.47	1	25.5	1	30.3	1
1.9	1	1.46	1	0.0553	0	1.43	1	29.6	1	27.4	1
7.42	1	2.52	1	0.0967	1	2.97	1	26.3	1	47.5	1
4.48	1	1.99	1	0.11	1	2.33	1	26.5	1	31.5	1
1.52	1	1.19	1	0.102	1	1.31	1	28.1	1	24.5	1
3.58	1	1.64	1	0.111	1	2.02	1	25.5	1	31	1

1.92      1      1.37      1      0.0512      0      1.59      1      28      1      26.6      1

Aluminum	D_Aluminum	Barium	D_Barium	Cadmium	D_Cadmium	Calcium	D_Calcium	Cesium-137	D_Cesium-13	Chromium	D_Chromium	Cobalt	D_Cobalt	Copper	D_Copper
14000	1	203	1	0.609	0	2260	1	0.184	1	11.7	1	5.76	1	9.31	1
17600	1	209	1	0.566	0	2370	1	-0.0034	0	14.7	1	5.83	1	7.95	1
9340	1	136	1	0.597	0	2100	1	0.247	1	9.34	1	4.36	1	7.67	1
16000	1	407	1	0.276	1	2420	1	0.0305	0	67.6	1	22.8	1	8.5	1
13400	1	226	1	0.569	0	2130	1	0.15	1	24.5	1	17.3	1	7.96	1
14500	1	195	1	0.544	0	2120	1	0.0144	0	20	1	5.76	1	7.06	1
7520	1	150	1	0.571	0	2320	1	0.123	1	27.1	1	4.19	1	8.09	1
14000	1	225	1	0.154	1	3160	1	-0.0291	0	13.3	1	12.4	1	8.17	1
12600	1	192	1	0.565	0	2060	1	0.286	1	18.1	1	6.31	1	7.14	1
15300	1	211	1	0.545	0	2240	1	-0.0202	0	36.8	1	7.27	1	7.29	1
11000	1	180	1	0.207	1	2280	1	0.142	1	17	1	6.34	1	11	1
14500	1	232	1	0.265	1	2290	1	-0.0199	0	12.6	1	6.99	1	8.43	1
10600	1	190	1	0.234	1	2490	1	0.158	1	43	1	6.05	1	9.36	1
13400	1	224	1	0.31	1	2650	1	-0.00656	0	13.3	1	7.49	1	8.03	1
11200	1	200	1	0.21	1	2210	1	0.124	1	31	1	6.11	1	7.63	1
12800	1	206	1	0.165	1	3160	1	-0.0416	0	14.3	1	5.7	1	7.38	1
9660	1	209	1	0.574	0	2280	1	0.304	1	13.3	1	6.56	1	10.4	1
11400	1	243	1	0.523	0	2400	1	-0.0221	0	11.5	1	7.08	1	7.07	1
19200	1	222	1	0.574	0	2650	1	0.108	1	20	1	6.76	1	11.5	1
17600	1	195	1	0.555	0	2210	1	0.00968	0	12.7	1	5.89	1	9.49	1
9430	1	101	1	0.601	0	1830	1	0.146	1	42.9	1	4.86	1	5.92	1
3750	1	49.2	1	0.516	0	990	1	-0.000371	0	22.9	1	1.38	1	3.3	1
5340	1	59.9	1	0.228	1	988	1	0.226	1	8.36	1	2.01	1	6.67	1
3850	1	31.1	1	0.542	0	721	1	0.00741	0	11.4	1	1.03	1	2.62	1
13800	1	218	1	0.599	0	2630	1	0.0992	1	69.8	1	6.95	1	8.02	1
16600	1	237	1	0.548	0	2260	1	-0.000648	0	12.8	1	6.99	1	8.15	1
6290	1	75.9	1	0.565	0	1010	1	0.000719	0	19.2	1	3.8	1	7.87	1
10800	1	102	1	0.532	0	1850	1	-0.0366	0	14.7	1	3.15	1	6.6	1
7330	1	96.9	1	0.187	1	1850	1	0.714	1	23.9	1	4.52	1	7.15	1
10800	1	197	1	0.133	1	2780	1	0.0107	0	12.4	1	5.7	1	6.77	1
5440	1	72.5	1	0.204	1	1670	1	0.7	1	14.5	1	2.18	1	5.3	1
2380	1	23.2	1	0.519	0	591	1	0.0575	0	12.8	1	0.805	1	1.87	1
4640	1	56.3	1	0.194	1	1360	1	0.696	1	11.3	1	1.8	1	5.36	1
3820	1	28.7	1	0.188	1	772	1	0.0151	0	11.1	1	0.801	1	3.63	1
4600	1	61.5	1	0.184	1	1390	1	0.726	1	18.8	1	1.94	1	6.94	1
4710	1	52.4	1	0.532	0	1080	1	0.034	0	5.07	1	2.37	1	3.54	1
6720	1	121	1	0.364	1	4640	1	0.838	1	13	1	3.44	1	9.44	1
4040	1	44.8	1	0.275	1	1280	1	-0.00992	0	9.15	1	3.37	1	3.64	1
2980	1	31.1	1	0.132	1	588	1	0.514	1	2.82	1	1.47	1	2.51	1
2950	1	26	1	0.558	0	637	1	0.227	1	32.1	1	0.915	1	3.11	1

3590	1	36.9	1	0.594	0	1190	1	0.79	1	8.03	1	1.69	1	3.33	1
2230	1	19.6	1	0.566	0	526	1	0.32	1	2.33	1	0.888	1	2.12	1
2820	1	40.5	1	0.54	0	991	1	0.15	1	4.63	1	1.82	1	3.25	1
3100	1	37.6	1	0.514	0	968	1	0.0779	1	5.05	1	1.43	1	2.98	1
2280	1	23.7	1	0.52	0	761	1	0.244	1	5.74	1	0.893	1	2.49	1
2680	1	27.7	1	0.519	0	805	1	0.331	1	8.2	1	0.95	1	3.01	1
10800	1	197	1	0.224	1	2100	1	-0.0193	0	31.3	1	6.18	1	8.17	1
15900	1	203	1	0.167	1	2490	1	0.345	1	14.8	1	6.67	1	7.26	1
13000	1	257	1	0.291	1	2270	1	0.0214	0	16.1	1	7.79	1	7.22	1
18500	1	242	1	0.262	1	2570	1	0.117	1	12.1	1	6.66	1	7.59	1
10100	1	503	1	0.2	1	1790	1	-0.0517	0	14.2	1	5.2	1	29	1
16000	1	210	1	0.284	1	2120	1	0.11	1	11.9	1	6.09	1	6.98	1
11400	1	346	1	0.241	1	2410	1	0.0254	0	20	1	6.45	1	14.3	1
13300	1	249	1	0.23	1	2810	1	0.0995	0	13.5	1	6.72	1	7.27	1
11000	1	197	1	0.281	1	2290	1	0.0154	0	27.2	1	5.69	1	18.5	1
16700	1	225	1	0.255	1	2460	1	0.284	1	12.3	1	6.51	1	7.12	1
9460	1	204	1	0.275	1	2450	1	-0.0163	0	21.4	1	5.8	1	10.7	1
15000	1	228	1	0.255	1	2480	1	0.0534	0	13.1	1	6.91	1	7.14	1
9800	1	207	1	0.191	1	2140	1	-0.028	0	74.3	1	5.47	1	9.11	1
19400	1	218	1	0.152	1	2580	1	0.148	1	11.4	1	4.8	1	7.57	1
10500	1	200	1	0.228	1	2260	1	-0.0142	0	56.8	1	6.57	1	7.53	1
14100	1	219	1	0.209	1	2230	1	0.237	1	11.6	1	6.09	1	7.05	1
9350	1	161	1	0.152	1	2540	1	0.0369	0	12	1	4.65	1	6.58	1
18000	1	334	1	0.233	1	2550	1	0.163	1	12.8	1	15.2	1	8.23	1
11000	1	175	1	0.183	1	2120	1	0.0115	0	13.9	1	6.71	1	7.82	1
14900	1	166	1	0.53	0	2140	1	0.0294	0	10.1	1	5.62	1	6.93	1
16100	1	193	1	0.553	0	2180	1	0.473	1	10.9	1	5.9	1	7.61	1
9090	1	178	1	0.192	1	2210	1	0.113	1	10	1	5.77	1	10.8	1
15600	1	172	1	0.172	1	2200	1	0.0117	0	13.7	1	5.88	1	7.92	1
11700	1	130	1	0.537	0	1690	1	0.207	1	13.2	1	5.3	1	5.81	1
12000	1	215	1	0.168	1	2310	1	0.026	0	19.6	1	6.51	1	11.3	1
19900	1	218	1	0.197	1	2400	1	0.49	1	12.5	1	5.35	1	8.28	1
10800	1	196	1	0.196	1	2350	1	-0.0108	0	17.6	1	6.48	1	8.06	1
18500	1	206	1	0.553	0	2190	1	0.0466	0	10.8	1	5.37	1	6.65	1
11700	1	179	1	0.542	0	2150	1	0.00164	0	17.8	1	6.61	1	6.06	1
17800	1	224	1	0.559	0	2490	1	0.0847	0	11.9	1	5.09	1	6.59	1
13000	1	233	1	0.598	0	2390	1	0.00871	0	15.4	1	5.06	1	8.25	1
6640	1	140	1	0.515	0	3240	1	0.124	1	7.26	1	1.87	1	3.96	1
11000	1	155	1	0.126	1	1880	1	0.00252	0	11.1	1	6.11	1	5.95	1
23200	1	213	1	0.186	1	2670	1			13.1	1	5.69	1	8.13	1



HMX	D_HMX	Iron	D_Iron	Lead	D_Lead	Magnesium	D_Magnesium	Manganese	D_Manganese	Nickel	D_Nickel	Plutonium-239	D_Plutonium-239	RDX	D_RDX	
	0.5	0	14500	1	14.4	1	2260	1	415	1	8.56	1	0.00714	0	0.5	0
	0.5	0	15200	1	14.8	1	2370	1	426	1	7.56	1	0.00774	0	0.5	0
	0.5	0	11800	1	11	1	1820	1	345	1	7.03	1	0.017	0	0.5	0
	0.5	0	16500	1	22.5	1	2400	1	2150	1	11.9	1	0.00552	0	0.5	0
	0.5	0	13900	1	18.4	1	1950	1	802	1	8.71	1	0.00555	0	0.5	0
	0.5	0	13300	1	13.1	1	2110	1	384	1	8.67	1	0.00862	0	0.5	0
	0.5	0	10700	1	8.71	1	1650	1	414	1	7.68	1	0.00708	0	0.5	0
	0.5	0	15000	1	15	1	2260	1	493	1	7.34	1	-0.00351	0	0.5	0
	0.5	0	13500	1	14.4	1	1970	1	460	1	7.45	1	0.00826	0	0.5	0
	0.5	0	14800	1	14.4	1	2290	1	466	1	9.65	1	0.00307	0	0.5	0
	0.5	0	15800	1	41	1	2090	1	519	1	7.76	1	0.00393	0	0.5	0
	0.5	0	16300	1	16.3	1	2550	1	471	1	9.07	1	-0.0056	0	0.5	0
	0.5	0	14400	1	15	1	1900	1	451	1	10.9	1	0.0105	0	0.5	0
	0.5	0	15300	1	16.2	1	2190	1	492	1	9.05	1	0.00286	0	0.5	0
	0.5	0	13800	1	15.4	1	1890	1	485	1	9.27	1	0.0231	0	0.5	0
	0.5	0	14600	1	16.7	1	2030	1	457	1	7.88	1	0.00147	0	0.5	0
	0.5	0	13900	1	15.2	1	1980	1	468	1	8.54	1	0.0186	0	0.5	0
	0.5	0	13600	1	14.7	1	2040	1	474	1	8.43	1	0.00121	0	0.5	0
	0.5	0	17200	1	16.1	1	2720	1	440	1	10.3	1	0.00142	0	0.5	0
	0.5	0	16200	1	12.2	1	2760	1	362	1	9.39	1	0.00368	0	0.5	0
	0.5	0	16000	1	12	1	1720	1	301	1	9.08	1	0.00569	0	0.5	0
	0.5	0	12100	1	3.85	1	1010	1	166	1	4.09	1	-0.00112	0	0.5	0
	0.5	0	13500	1	10.7	1	1090	1	314	1	3.78	1	0.0179	0	0.5	0
	0.5	0	9650	1	3.8	1	720	1	280	1	3.07	1	-0.00116	0	0.5	0
	0.5	0	14300	1	14.4	1	2070	1	520	1	12.1	1	0.0113	0	0.5	0
	0.5	0	15900	1	15.2	1	2450	1	475	1	9	1	-0.00139	0	0.5	0
	0.5	0	12200	1	7.65	1	1180	1	286	1	6.08	1	0.00356	0	0.5	0
	0.5	0	14600	1	8.61	1	2060	1	167	1	6.8	1	1.46E-10	0	0.5	0
	0.5	0	14100	1	13.9	1	1380	1	355	1	6.29	1	0.0478	1	0.5	0
	0.5	0	14000	1	15.4	1	1910	1	438	1	5.75	1	0	0	0.5	0
	0.5	0	11700	1	11	1	1190	1	330	1	5.89	1	0.0353	1	0.5	0
	0.5	0	9540	1	3.17	1	440	1	270	1	2.17	1	0.00821	0	0.5	0
	0.5	0	10500	1	9.35	1	984	1	318	1	5.14	1	0.0458	1	0.5	0
	0.5	0	10600	1	3.45	1	627	1	280	1	4.21	1	0.00574	0	0.5	0
	0.5	0	10300	1	11.7	1	966	1	273	1	5.01	1	0.0404	1	0.5	0
	0.5	0	11700	1	6.56	1	904	1	321	1	3.21	1	0.00125	0	0.5	0
	0.5	0	12400	1	20.2	1	1710	1	451	1	6.05	1	0.0682	1	0.5	0
	0.5	0	22100	1	8.3	1	956	1	417	1	3.45	1	0.00643	0	0.5	0
	0.5	0	7800	1	6.55	1	576	1	203	1	1.79	1	0.0183	0	0.5	0
	0.5	0	8440	1	4.48	1	442	1	179	1	5.14	1	0.0156	0	0.5	0

0.5	0	12800	1	8.12	1	782	1	203	1	3.58	1	0.0343	1	0.5	0
0.5	0	8080	1	6.71	1	320	1	145	1	1.76	1	0.0172	0	0.5	0
0.5	0	8330	1	6.43	1	662	1	238	1	2.63	1	0.00613	0	0.5	0
0.5	0	9960	1	5.28	1	692	1	215	1	2.57	1	0.0104	0	0.5	0
0.5	0	7990	1	4.75	1	476	1	203	1	1.97	1	0.0144	0	0.5	0
0.5	0	8910	1	4.9	1	486	1	312	1	2.54	1	0.02	0	0.5	0
0.5	0	12200	1	16.4	1	1910	1	475	1	9	1	-0.00276	0	0.5	0
0.5	0	16700	1	14.7	1	2800	1	394	1	8.25	1	0.0286	1	0.5	0
0.217	1	14600	1	17	1	2330	1	567	1	8.17	1	-1.43E-10	0	0.239	1
0.765	1	15700	1	15.6	1	2520	1	414	1	8.59	1	0	0	0.277	1
11.4	1	12100	1	20.2	1	1640	1	386	1	6.38	1	0.0058	0	49.4	1
2.01	1	14400	1	14.6	1	2380	1	372	1	7.27	1	-1.35E-10	0	0.413	1
0.173	1	13300	1	16.3	1	1980	1	467	1	7.79	1	0.00252	0	0.246	1
0.487	1	13800	1	14.3	1	2250	1	443	1	7.68	1	0.00423	0	0.419	1
0.5	0	12300	1	15.6	1	1810	1	411	1	8.47	1	0.00389	0	0.113	1
0.5	0	15400	1	14.7	1	2430	1	415	1	8.02	1	0.00121	0	0.5	0
0.5	0	12200	1	16	1	1860	1	427	1	8.22	1	0.0126	0	0.5	0
0.5	0	15300	1	14.9	1	2480	1	433	1	7.84	1	-0.00145	0	0.5	0
0.5	0	12000	1	13	1	1820	1	362	1	8.87	1	-0.00425	0	0.5	0
0.5	0	14900	1	14	1	2710	1	288	1	8.64	1	0.00122	0	0.5	0
0.5	0	13900	1	15.3	1	1930	1	465	1	11.3	1	0.00117	0	0.127	1
0.5	0	15200	1	13.4	1	2530	1	370	1	7.77	1	0	0	0.5	0
0.5	0	10900	1	12	1	1740	1	337	1	7.95	1	0.0134	0	0.5	0
0.5	0	16800	1	18.1	1	2710	1	1380	1	8.91	1	0.00433	0	0.5	0
0.5	0	13800	1	14.9	1	1940	1	415	1	7.84	1	0.00926	0	0.5	0
0.5	0	14100	1	13.1	1	2230	1	336	1	7.49	1	-0.0039	0	0.5	0
0.5	0	14900	1	12.9	1	2530	1	343	1	8.56	1	0.00565	0	0.5	0
0.5	0	12600	1	14.4	1	1820	1	387	1	6.62	1	0.0166	0	0.5	0
0.5	0	15000	1	15.2	1	2190	1	360	1	7.94	1	0.0149	0	0.5	0
0.5	0	14600	1	9.91	1	2080	1	291	1	7.19	1	0.00372	0	0.5	0
0.5	0	13900	1	15	1	2010	1	471	1	9.16	1	0.0121	0	0.5	0
0.5	0	15900	1	15	1	2560	1	320	1	8.52	1	0.00359	0	0.5	0
0.5	0	13200	1	15.4	1	1820	1	464	1	7.86	1	0.0204	0	0.5	0
0.5	0	15000	1	14.2	1	2300	1	330	1	8.86	1	0.00405	0	0.5	0
0.5	0	14000	1	14.3	1	2120	1	416	1	8.39	1	0.00784	0	0.5	0
0.5	0	14400	1	12	1	2290	1	308	1	7.55	1	1.46E-10	0	0.5	0
0.5	0	14400	1	13.1	1	2110	1	331	1	9.34	1	0.00654	0	0.5	0
0.5	0	11700	1	4.66	1	1490	1	203	1	5.38	1	1.65E-10	0	0.5	0
0.5	0	13900	1	14.1	1	1940	1	372	1	8.72	1	0.0125	0	0.5	0
0.5	0	16800	1	17.3	1	2690	1	354	1	10.3	1	0.00301	0	0.5	0

Silver	D_Silver	Uranium	D_Uranium	Uranium-234	D_Uranium-2	Uranium-235	D_Uranium-2	Uranium-238	D_Uranium-2	Vanadium	D_Vanadium	Zinc	D_Zinc
0.414	1	2.05	1	1.32	1	0.0867	0	1.47	1	28.3	1	29.3	1
0.337	1	1.59	1	1.03	1	0.051	0	0.986	1	29.8	1	29.6	1
0.396	1	3.94	1	1.46	1	0.0677	0	1.55	1	24	1	26.3	1
0.725	1	1.37	1	1.05	1	0.0599	0	1.13	1	35.4	1	31.4	1
0.503	1	1.84	1	1.26	1	0.0812	1	1.48	1	28.5	1	26.1	1
0.335	1	1.27	1	0.986	1	0.0691	0	0.986	1	26.3	1	26.2	1
0.436	1	2.79	1	1.32	1	0.0575	0	1.32	1	23.2	1	21.1	1
0.337	1	1.02	1	1.05	1	0.129	1	1.05	1	29.4	1	27.4	1
0.348	1	1.49	1	1.63	1	0.106	1	1.87	1	28.4	1	25.8	1
0.476	1	1.31	1	1.18	1	0.0629	0	1.33	1	29.1	1	26.4	1
0.58	0	1.75	1	1.34	1	0.105	1	1.42	1	33.4	1	33.9	1
0.54	0	0.962	1	1.06	1	0.0669	1	1.04	1	34	1	32.4	1
0.61	0	2.07	1	1.63	1	0.154	1	1.78	1	30.3	1	28.6	1
0.525	0	1.36	1	1.31	1	0.0904	1	1.14	1	32.2	1	31.1	1
0.572	0	1.84	1	1.47	1	0.123	1	1.55	1	29.8	1	28.6	1
0.538	0	1.23	1	1.11	1	0.106	1	1.11	1	30.8	1	28.9	1
0.193	1	3.2	1	1.66	1	0.0911	1	1.89	1	30.7	1	31	1
0.138	1	1.11	1	1.1	1	0.0662	0	1.2	1	28.8	1	25.8	1
0.197	1	1.84	1	1.2	1	0.0793	0	1.32	1	34.4	1	36.3	1
0.464	1	0.82	1	0.941	1	0.0465	0	0.805	1	30.3	1	31.1	1
0.601	0	3.59	1	1.54	1	0.103	1	1.55	1	25	1	41	1
0.516	0	0.397	1	0.441	1	0.0458	0	0.352	1	10	1	40.1	1
0.642	0	4.92	1	1.98	1	0.107	1	2.32	1	12.3	1	52.4	1
0.542	0	1.04	1	0.843	1	0.0493	0	0.877	1	6.58	1	39.1	1
0.349	1	1.25	1	1.82	1	0.132	1	2.02	1	28.8	1	25.9	1
0.264	1	1.29	1	1.12	1	0.0852	1	1.15	1	32.9	1	29.7	1
0.565	0	0.798	1	0.593	1	0.0277	0	0.743	1	16.1	1	35	1
0.532	0	0.736	1	0.502	1	0.0572	0	0.57	1	19.1	1	36.3	1
0.628	0	5.55	1	2.65	1	0.161	1	3.64	1	22.2	1	42.3	1
0.495	0	0.999	1	0.391	1	0.00678	0	0.326	1	27.8	1	28.2	1
0.568	0	19.1	1	2.5	1	0.153	1	2.9	1	11	1	47	1
0.519	0	0.457	1	0.862	1	0.0487	0	0.742	1	5.29	1	43.5	1
0.602	0	5.41	1	2.24	1	0.205	1	3.05	1	9.15	1	42.2	1
0.536	0	0.728	1	0.739	1	0.0481	0	0.771	1	5.89	1	44.3	1
0.666	0	6.78	1	2.58	1	0.116	1	2.91	1	9.98	1	41	1
0.532	0	0.557	1	0.588	1	0.0551	0	0.616	1	12.7	1	38.4	1
0.658	0	8.43	1	2.86	1	0.22	1	3.68	1	16.3	1	55.8	1
0.5	0	0.551	1	0.58	1	0.0274	0	0.565	1	23.2	1	85.6	1
0.609	0	1.56	1	1.14	1	0.0708	1	1.6	1	7.98	1	30.3	1
0.558	0	1.37	1	1.2	1	0.0714	1	2.67	1	5.29	1	34.1	1

0.594	0	3.18	1	1.91	1	0.0915	1	2.44	1	13.2	1	47.4	1
0.592	1	2.08	1	0.679	1	0.0202	0	0.868	1	7.52	1	26.3	1
0.54	0	1.25	1	1.03	1	0.0764	1	1.25	1	9.36	1	34	1
0.255	1	0.857	1	0.608	1	0.0352	0	0.747	1	9.3	1	37.8	1
0.118	1	1.07	1	1.15	1	0.0832	1	1.43	1	6.11	1	35.9	1
0.121	1	1.03	1	1.34	1	0.0769	1	1.57	1	6.63	1	41.5	1
0.482	1	2.59	1	0.891	1	0.0487	0	0.828	1	25.7	1	23.9	1
0.645	1	0.886	1	1.64	1	0.129	1	1.85	1	30.1	1	32.9	1
0.693	1	1.67	1	1.26	1	0.0886	1	1.36	1	30.4	1	29	1
0.594	1	1.33	1	1.24	1	0.0858	1	1.39	1	30.9	1	28.8	1
0.456	1	1.72	1	1.27	1	0.0987	1	1.43	1	23.6	1	30.5	1
0.312	1	0.875	1	1.08	1	0.103	1	1.14	1	29.8	1	27.7	1
0.682	1	2.5	1	1.5	1	0.0987	1	1.82	1	25.9	1	36.4	1
0.517	1	1.53	1	1.2	1	0.0776	1	1.34	1	28.1	1	28.5	1
0.589	1	1.68	1	1.66	1	0.0944	1	1.85	1	24.7	1	26.9	1
0.5	1	0.879	1	1.08	1	0.0314	0	1.15	1	30.2	1	29.1	1
0.632	1	2.92	1	1.3	1	0.0884	1	1.46	1	25.4	1	28.7	1
0.606	1	1.13	1	1.16	1	0.0897	1	1.01	1	31.5	1	28.4	1
0.594	1	3.59	1	1.94	1	0.127	1	2.07	1	23.2	1	37.3	1
0.557	1	0.983	1	0.862	1	0.0664	1	1.07	1	26.3	1	29.1	1
0.796	1	1.92	1	1.8	1	0.1	1	2.21	1	28.1	1	26.7	1
0.579	1	0.81	1	0.825	1	0.071	1	0.89	1	29.3	1	29.6	1
0.624	1	2.24	1	2.21	1	0.132	1	2.58	1	21.2	1	23.3	1
1.11	1	0.97	1	1.08	1	0.044	0	1.04	1	32.3	1	27.1	1
0.803	1	2.15	1	1.48	1	0.0625	0	1.57	1	27.4	1	30.1	1
0.668	1	1.97	1	1.07	1	0.0766	1	1.05	1	25	1	25.8	1
0.909	1	1.35	1	1.05	1	0.0615	0	1.17	1	26.6	1	26.2	1
0.787	1	8.68	1	4.15	1	0.2	1	4.47	1	25.5	1	30.3	1
0.834	1	1.9	1	1.46	1	0.0553	0	1.43	1	29.6	1	27.4	1
0.725	1	0.634	1	0.712	1	0.036	0	0.795	1	23.1	1	30.9	1
0.964	1	7.42	1	2.52	1	0.0967	1	2.97	1	26.3	1	47.5	1
0.538	1	1.16	1	1.13	1	0.0613	0	1.26	1	30.6	1	28.4	1
0.761	1	4.48	1	1.99	1	0.11	1	2.33	1	26.5	1	31.5	1
0.823	1	1.08	1	1.02	1	0.0365	0	1.15	1	27.2	1	23.5	1
0.831	1	1.52	1	1.19	1	0.102	1	1.31	1	28.1	1	24.5	1
0.761	1	0.756	1	0.854	1	0.0581	1	1.09	1	23.8	1	25.6	1
0.744	1	3.58	1	1.64	1	0.111	1	2.02	1	25.5	1	31	1
0.7	1	1.45	1	0.871	1	0.023	0	0.905	1	10.7	1	31.3	1
0.927	1	1.92	1	1.37	1	0.0512	0	1.59	1	28	1	26.6	1
0.658	1	1.25	1	1.1	1	0.0475	0	1.01	1	31.2	1	28.5	1