

## The Periodic Table of Elements

1	2	3	4	5	6	7	0	
7 <b>Li</b> lithium 3	9 <b>Be</b> beryllium 4	11 <b>Na</b> sodium 11	12 <b>C</b> carbon 6	13 <b>Al</b> aluminium 13	14 <b>N</b> nitrogen 7	15 <b>O</b> oxygen 8	16 <b>F</b> fluorine 9	18 <b>Ne</b> neon 10
19 <b>K</b> potassium 19	20 <b>Ca</b> calcium 20	23 <b>Na</b> sodium 11	24 <b>Mg</b> magnesium 12	27 <b>Al</b> aluminium 13	28 <b>Si</b> silicon 14	31 <b>P</b> phosphorus 15	32 <b>S</b> sulfur 16	35.5 <b>Cl</b> chlorine 17
37 <b>Rb</b> rubidium 37	38 <b>Sr</b> strontium 38	39 <b>K</b> potassium 19	40 <b>Ca</b> calcium 20	45 <b>Sc</b> scandium 21	48 <b>Ti</b> titanium 22	51 <b>V</b> vanadium 23	52 <b>Cr</b> chromium 24	55 <b>Mn</b> manganese 25
85 <b>Rb</b> rubidium 37	88 <b>Sr</b> strontium 38	89 <b>Y</b> yttrium 39	90 <b>Zr</b> zirconium 40	91 <b>Zr</b> zirconium 40	93 <b>Nb</b> niobium 41	96 <b>Mo</b> molybdenum 42	97 <b>Tc</b> technetium 43	101 <b>Ru</b> ruthenium 44
133 <b>Cs</b> caesium 55	137 <b>Ba</b> barium 56	139 <b>La*</b> lanthanum 57	178 <b>Hf</b> hafnium 72	181 <b>Ta</b> tantalum 73	184 <b>W</b> tungsten 74	186 <b>Re</b> rhenium 75	190 <b>Os</b> osmium 76	192 <b>Ir</b> iridium 77
[223] <b>Fr</b> francium 87	[226] <b>Ra</b> radium 88	[227] <b>Ac*</b> actinium 89	[267] <b>Rf</b> rutherfordium 104	[270] <b>Db</b> dubnium 105	[269] <b>Sg</b> seaborgium 106	[270] <b>Bh</b> bohrium 107	[270] <b>Hs</b> hassium 108	[278] <b>Mt</b> meitnerium 109
101 <b>Pb</b> lead 82	102 <b>Bi</b> bismuth 83	106 <b>Pd</b> palladium 46	107 <b>Ag</b> silver 47	108 <b>Ag</b> silver 47	109 <b>Cd</b> cadmium 48	110 <b>Ds</b> darmstadtium 110	111 <b>Rg</b> roentgenium 111	112 <b>Cn</b> copernicium 112
122 <b>Sb</b> antimony 51	123 <b>Te</b> tellurium 52	124 <b>Sn</b> tin 50	125 <b>In</b> indium 49	126 <b>Cd</b> cadmium 48	127 <b>Pt</b> platinum 78	128 <b>Au</b> gold 79	129 <b>Hg</b> mercury 80	130 <b>Tl</b> thallium 81
151 <b>Lu</b> lutetium 71	152 <b>Hf</b> hafnium 72	157 <b>La*</b> lanthanum 57	172 <b>Hf</b> hafnium 72	173 <b>Ta</b> tantalum 73	174 <b>W</b> tungsten 74	176 <b>Re</b> rhenium 75	180 <b>Os</b> osmium 76	182 <b>Ir</b> iridium 77
187 <b>Ir</b> iridium 77	188 <b>Pt</b> platinum 78	192 <b>Os</b> osmium 76	193 <b>Pd</b> palladium 46	194 <b>Ag</b> silver 47	195 <b>Cu</b> copper 29	196 <b>Zn</b> zinc 30	197 <b>Ni</b> nickel 28	198 <b>Co</b> cobalt 27
201 <b>Hg</b> mercury 80	202 <b>Tl</b> thallium 81	203 <b>Pb</b> lead 82	204 <b>Bi</b> bismuth 83	205 <b>Po</b> polonium 84	206 <b>At</b> astatine 85	207 <b>Rn</b> radon 86	208 <b>Fr</b> francium 87	209 <b>Ra</b> radium 88
225 <b>Ac*</b> actinium 89	226 <b>Th</b> thorium 90	227 <b>Pa</b> protactinium 91	228 <b>U</b> uranium 92	232 <b>Th</b> thorium 90	233 <b>Pa</b> protactinium 91	235 <b>U</b> uranium 92	238 <b>Th</b> thorium 90	239 <b>Pa</b> protactinium 91
261 <b>Lr</b> lawrencium 103	262 <b>Rf</b> rutherfordium 104	263 <b>Db</b> dubnium 105	264 <b>Sg</b> seaborgium 106	265 <b>Bh</b> bohrium 107	266 <b>Hs</b> hassium 108	267 <b>Mt</b> meitnerium 109	268 <b>Ds</b> darmstadtium 110	269 <b>Rg</b> roentgenium 111
285 <b>Cn</b> copernicium 112	286 <b>Nh</b> nihonium 113	287 <b>Fl</b> flerovium 114	288 <b>Mc</b> moscovium 115	289 <b>Lv</b> livermorium 116	290 <b>Ts</b> tennessine 117	291 <b>Og</b> oganeson 118	292 <b>Uu</b> unbinilium 119	293 <b>Uub</b> unbinilium 119
301 <b>Uu</b> unbinilium 119	302 <b>Uub</b> unbinilium 119	303 <b>Uuc</b> unbinilium 119	304 <b>Uud</b> unbinilium 119	305 <b>Uue</b> unbinilium 119	306 <b>Uuq</b> unbinilium 119	307 <b>Uug</b> unbinilium 119	308 <b>Uuh</b> unbinilium 119	309 <b>Uuq</b> unbinilium 119
311 <b>Uuq</b> unbinilium 119	312 <b>Uuh</b> unbinilium 119	313 <b>Uuq</b> unbinilium 119	314 <b>Uuh</b> unbinilium 119	315 <b>Uuq</b> unbinilium 119	316 <b>Uuh</b> unbinilium 119	317 <b>Uuq</b> unbinilium 119	318 <b>Uuh</b> unbinilium 119	319 <b>Uuq</b> unbinilium 119
321 <b>Uuq</b> unbinilium 119	322 <b>Uuh</b> unbinilium 119	323 <b>Uuq</b> unbinilium 119	324 <b>Uuh</b> unbinilium 119	325 <b>Uuq</b> unbinilium 119	326 <b>Uuh</b> unbinilium 119	327 <b>Uuq</b> unbinilium 119	328 <b>Uuh</b> unbinilium 119	329 <b>Uuq</b> unbinilium 119
331 <b>Uuq</b> unbinilium 119	332 <b>Uuh</b> unbinilium 119	333 <b>Uuq</b> unbinilium 119	334 <b>Uuh</b> unbinilium 119	335 <b>Uuq</b> unbinilium 119	336 <b>Uuh</b> unbinilium 119	337 <b>Uuq</b> unbinilium 119	338 <b>Uuh</b> unbinilium 119	339 <b>Uuq</b> unbinilium 119
341 <b>Uuq</b> unbinilium 119	342 <b>Uuh</b> unbinilium 119	343 <b>Uuq</b> unbinilium 119	344 <b>Uuh</b> unbinilium 119	345 <b>Uuq</b> unbinilium 119	346 <b>Uuh</b> unbinilium 119	347 <b>Uuq</b> unbinilium 119	348 <b>Uuh</b> unbinilium 119	349 <b>Uuq</b> unbinilium 119
351 <b>Uuq</b> unbinilium 119	352 <b>Uuh</b> unbinilium 119	353 <b>Uuq</b> unbinilium 119	354 <b>Uuh</b> unbinilium 119	355 <b>Uuq</b> unbinilium 119	356 <b>Uuh</b> unbinilium 119	357 <b>Uuq</b> unbinilium 119	358 <b>Uuh</b> unbinilium 119	359 <b>Uuq</b> unbinilium 119
361 <b>Uuq</b> unbinilium 119	362 <b>Uuh</b> unbinilium 119	363 <b>Uuq</b> unbinilium 119	364 <b>Uuh</b> unbinilium 119	365 <b>Uuq</b> unbinilium 119	366 <b>Uuh</b> unbinilium 119	367 <b>Uuq</b> unbinilium 119	368 <b>Uuh</b> unbinilium 119	369 <b>Uuq</b> unbinilium 119
371 <b>Uuq</b> unbinilium 119	372 <b>Uuh</b> unbinilium 119	373 <b>Uuq</b> unbinilium 119	374 <b>Uuh</b> unbinilium 119	375 <b>Uuq</b> unbinilium 119	376 <b>Uuh</b> unbinilium 119	377 <b>Uuq</b> unbinilium 119	378 <b>Uuh</b> unbinilium 119	379 <b>Uuq</b> unbinilium 119
381 <b>Uuq</b> unbinilium 119	382 <b>Uuh</b> unbinilium 119	383 <b>Uuq</b> unbinilium 119	384 <b>Uuh</b> unbinilium 119	385 <b>Uuq</b> unbinilium 119	386 <b>Uuh</b> unbinilium 119	387 <b>Uuq</b> unbinilium 119	388 <b>Uuh</b> unbinilium 119	389 <b>Uuq</b> unbinilium 119
391 <b>Uuq</b> unbinilium 119	392 <b>Uuh</b> unbinilium 119	393 <b>Uuq</b> unbinilium 119	394 <b>Uuh</b> unbinilium 119	395 <b>Uuq</b> unbinilium 119	396 <b>Uuh</b> unbinilium 119	397 <b>Uuq</b> unbinilium 119	398 <b>Uuh</b> unbinilium 119	399 <b>Uuq</b> unbinilium 119
401 <b>Uuq</b> unbinilium 119	402 <b>Uuh</b> unbinilium 119	403 <b>Uuq</b> unbinilium 119	404 <b>Uuh</b> unbinilium 119	405 <b>Uuq</b> unbinilium 119	406 <b>Uuh</b> unbinilium 119	407 <b>Uuq</b> unbinilium 119	408 <b>Uuh</b> unbinilium 119	409 <b>Uuq</b> unbinilium 119
411 <b>Uuq</b> unbinilium 119	412 <b>Uuh</b> unbinilium 119	413 <b>Uuq</b> unbinilium 119	414 <b>Uuh</b> unbinilium 119	415 <b>Uuq</b> unbinilium 119	416 <b>Uuh</b> unbinilium 119	417 <b>Uuq</b> unbinilium 119	418 <b>Uuh</b> unbinilium 119	419 <b>Uuq</b> unbinilium 119
421 <b>Uuq</b> unbinilium 119	422 <b>Uuh</b> unbinilium 119	423 <b>Uuq</b> unbinilium 119	424 <b>Uuh</b> unbinilium 119	425 <b>Uuq</b> unbinilium 119	426 <b>Uuh</b> unbinilium 119	427 <b>Uuq</b> unbinilium 119	428 <b>Uuh</b> unbinilium 119	429 <b>Uuq</b> unbinilium 119
431 <b>Uuq</b> unbinilium 119	432 <b>Uuh</b> unbinilium 119	433 <b>Uuq</b> unbinilium 119	434 <b>Uuh</b> unbinilium 119	435 <b>Uuq</b> unbinilium 119	436 <b>Uuh</b> unbinilium 119	437 <b>Uuq</b> unbinilium 119	438 <b>Uuh</b> unbinilium 119	439 <b>Uuq</b> unbinilium 119
441 <b>Uuq</b> unbinilium 119	442 <b>Uuh</b> unbinilium 119	443 <b>Uuq</b> unbinilium 119	444 <b>Uuh</b> unbinilium 119	445 <b>Uuq</b> unbinilium 119	446 <b>Uuh</b> unbinilium 119	447 <b>Uuq</b> unbinilium 119	448 <b>Uuh</b> unbinilium 119	449 <b>Uuq</b> unbinilium 119
451 <b>Uuq</b> unbinilium 119	452 <b>Uuh</b> unbinilium 119	453 <b>Uuq</b> unbinilium 119	454 <b>Uuh</b> unbinilium 119	455 <b>Uuq</b> unbinilium 119	456 <b>Uuh</b> unbinilium 119	457 <b>Uuq</b> unbinilium 119	458 <b>Uuh</b> unbinilium 119	459 <b>Uuq</b> unbinilium 119
461 <b>Uuq</b> unbinilium 119	462 <b>Uuh</b> unbinilium 119	463 <b>Uuq</b> unbinilium 119	464 <b>Uuh</b> unbinilium 119	465 <b>Uuq</b> unbinilium 119	466 <b>Uuh</b> unbinilium 119	467 <b>Uuq</b> unbinilium 119	468 <b>Uuh</b> unbinilium 119	469 <b>Uuq</b> unbinilium 119
471 <b>Uuq</b> unbinilium 119	472 <b>Uuh</b> unbinilium 119	473 <b>Uuq</b> unbinilium 119	474 <b>Uuh</b> unbinilium 119	475 <b>Uuq</b> unbinilium 119	476 <b>Uuh</b> unbinilium 119	477 <b>Uuq</b> unbinilium 119	478 <b>Uuh</b> unbinilium 119	479 <b>Uuq</b> unbinilium 119
481 <b>Uuq</b> unbinilium 119	482 <b>Uuh</b> unbinilium 119	483 <b>Uuq</b> unbinilium 119	484 <b>Uuh</b> unbinilium 119	485 <b>Uuq</b> unbinilium 119	486 <b>Uuh</b> unbinilium 119	487 <b>Uuq</b> unbinilium 119	488 <b>Uuh</b> unbinilium 119	489 <b>Uuq</b> unbinilium 119
491 <b>Uuq</b> unbinilium 119	492 <b>Uuh</b> unbinilium 119	493 <b>Uuq</b> unbinilium 119	494 <b>Uuh</b> unbinilium 119	495 <b>Uuq</b> unbinilium 119	496 <b>Uuh</b> unbinilium 119	497 <b>Uuq</b> unbinilium 119	498 <b>Uuh</b> unbinilium 119	499 <b>Uuq</b> unbinilium 119
501 <b>Uuq</b> unbinilium 119	502 <b>Uuh</b> unbinilium 119	503 <b>Uuq</b> unbinilium 119	504 <b>Uuh</b> unbinilium 119	505 <b>Uuq</b> unbinilium 119	506 <b>Uuh</b> unbinilium 119	507 <b>Uuq</b> unbinilium 119	508 <b>Uuh</b> unbinilium 119	509 <b>Uuq</b> unbinilium 119
511 <b>Uuq</b> unbinilium 119	512 <b>Uuh</b> unbinilium 119	513 <b>Uuq</b> unbinilium 119	514 <b>Uuh</b> unbinilium 119	515 <b>Uuq</b> unbinilium 119	516 <b>Uuh</b> unbinilium 119	517 <b>Uuq</b> unbinilium 119	518 <b>Uuh</b> unbinilium 119	519 <b>Uuq</b> unbinilium 119
521 <b>Uuq</b> unbinilium 119	522 <b>Uuh</b> unbinilium 119	523 <b>Uuq</b> unbinilium 119	524 <b>Uuh</b> unbinilium 119	525 <b>Uuq</b> unbinilium 119	526 <b>Uuh</b> unbinilium 119	527 <b>Uuq</b> unbinilium 119	528 <b>Uuh</b> unbinilium 119	529 <b>Uuq</b> unbinilium 119
531 <b>Uuq</b> unbinilium 119	532 <b>Uuh</b> unbinilium 119	533 <b>Uuq</b> unbinilium 119	534 <b>Uuh</b> unbinilium 119	535 <b>Uuq</b> unbinilium 119	536 <b>Uuh</b> unbinilium 119	537 <b>Uuq</b> unbinilium 119	538 <b>Uuh</b> unbinilium 119	539 <b>Uuq</b> unbinilium 119
541 <b>Uuq</b> unbinilium 119	542 <b>Uuh</b> unbinilium 119	543 <b>Uuq</b> unbinilium 119	544 <b>Uuh</b> unbinilium 119	545 <b>Uuq</b> unbinilium 119	546 <b>Uuh</b> unbinilium 119	547 <b>Uuq</b> unbinilium 119	548 <b>Uuh</b> unbinilium 119	549 <b>Uuq</b> unbinilium 119
551 <b>Uuq</b> unbinilium 119	552 <b>Uuh</b> unbinilium 119	553 <b>Uuq</b> unbinilium 119	554 <b>Uuh</b> unbinilium 119	555 <b>Uuq</b> unbinilium 119	556 <b>Uuh</b> unbinilium 119	557 <b>Uuq</b> unbinilium 119	558 <b>Uuh</b> unbinilium 119	559 <b>Uuq</b> unbinilium 119
561 <b>Uuq</b> unbinilium 119	562 <b>Uuh</b> unbinilium 119	563 <b>Uuq</b> unbinilium 119	564 <b>Uuh</b> unbinilium 119	565 <b>Uuq</b> unbinilium 119	566 <b>Uuh</b> unbinilium 119	567 <b>Uuq</b> unbinilium 119	568 <b>Uuh</b> unbinilium 119	569 <b>Uuq</b> unbinilium 119
571 <b>Uuq</b> unbinilium 119	572 <b>Uuh</b> unbinilium 119	573 <b>Uuq</b> unbinilium 119	574 <b>Uuh</b> unbinilium 119	575 <b>Uuq</b> unbinilium 119	576 <b>Uuh</b> unbinilium 119	577 <b>Uuq</b> unbinilium 119	578 <b>Uuh</b> unbinilium 119	579 <b>Uuq</b> unbinilium 119
581 <b>Uuq</b> unbinilium 119	582 <b>Uuh</b> unbinilium 119	583 <b>Uuq</b> unbinilium 119	584 <b>Uuh</b> unbinilium 119	585 <b>Uuq</b> unbinilium 119	586 <b>Uuh</b> unbinilium 119	587 <b>Uuq</b> unbinilium 119	588 <b>Uuh</b> unbinilium 119	589 <b>Uuq</b> unbinilium 119
591 <b>Uuq</b> unbinilium 119	592 <b>Uuh</b> unbinilium 119	593 <b>Uuq</b> unbinilium 119	594 <b>Uuh</b> unbinilium 119	595 <b>Uuq</b> unbinilium 119	596 <b>Uuh</b> unbinilium 119	597 <b>Uuq</b> unbinilium 119	598 <b>Uuh</b> unbinilium 119	599 <b>Uuq</b> unbinilium 119
601 <b>Uuq</b> unbinilium 119	602 <b>Uuh</b> unbinilium 119	603 <b>Uuq</b> unbinilium 119	604 <b>Uuh</b> unbinilium 119	605 <b>Uuq</b> unbinilium 119	606 <b>Uuh</b> unbinilium 119	607 <b>Uuq</b> unbinilium 119	608 <b>Uuh</b> unbinilium 119	609 <b>Uuq</b> unbinilium 119
611 <b>Uuq</b> unbinilium 119	612 <b>Uuh</b> unbinilium 119	613 <b>Uuq</b> unbinilium 119	614 <b>Uuh</b> unbinilium 119	615 <b>Uuq</b> unbinilium 119	616 <b>Uuh</b> unbinilium 119	617 <b>Uuq</b> unbinilium 119	618 <b>Uuh</b> unbinilium 119	619 <b>Uuq</b> unbinilium 119
621 <b>Uuq</b> unbinilium 119	622 <b>Uuh</b> unbinilium 119	623 <b>Uuq</b> unbinilium 119	624 <b>Uuh</b> unbinilium 119	625 <b>Uuq</b> unbinilium 119</				