

# SNAKES & LADDERS of The PERIODIC TABLE

## *Instructions*

### 1. Snakes

(a) Pr (61) ----> Ga (31) and Tc (43) -----> Sc (21) are snakes for ALL players

(b) All black squares are snakes except for black. They are: Nt ----> Cs, Xe -----> Rb, Kr ----> K, Ar ----> Na, Ne ----> Li and He ----> 0 (start)

(c) For Black only, the following are snakes: Oe ----> Br, J ----> Cl

### 2. Ladders

White: H----> Cl, F----> Br, J ----> Oe

Black: He ----> Ar, Ne ----> Kr, Xe -----> Nt

Blue: K -----> Rb, Ca -----> Sr, Ba ----> Ra

Red: Sn ----> Pb, Sb ----> Bi

Yellow: Sc -----> Y, Fe ----> Ru, Ag-----> Au

Green: La ---> Ac, Gd -----> Cm

3. Order of play is as colours appear on the board, viz. white, black, blue, red, yellow, green.

A complete 'round' of the table is when each player has played each of the six colours, scoring 1st, 2nd, 3rd, &c., each time. At end of six games of the round the lowest "score" wins (maximum = 6, for six firsts)

Element name and symbol:

1. hydrogen, H	26 Iron, Fe	51 antimony, Sb	76 osmium, Os
2. helium, He	27 cobalt, Co	52 tellurium, Te	77 iridium, Ir
3. lithium, Li	28 nickel, Ni	53 iodine, J	78 platinum, Pt
4. beryllium, Be	29 copper, Cu	54 xenon, Xe	79 gold, Au
5. boron, B	30 zinc, Zn	55 caesium, Cs	80 mercury, Hg
6. carbon, C	31 gallium, Ga	56 barium, Ba	81 thallium, <i>Θa</i>
7. nitrogen, N	32 germanium, Ge	57 lanthanum, La	82 lead, Pb
8. oxygen, O	33 arsenic, As	58 cerium, Ce	83 <i>bismuth, Bi</i>
9. fluorine, F	34 selenium, Se	59 berzelium, Bz	84 <i>polonium, Po</i>
10. neon, Ne	35 bromine, Br	60 tyrium, Ty	85 <i>therine, Θe</i>
11. sodium, Na	36 krypton, Kr	61 <i>prometheum, Pr</i>	86 <i>niton, Nt</i>
12. magnesium, Mg	37 rubidium, Rb	62 samarium, Sa	87 <i>francium, Fr</i>
13. aluminum, Al	38 strontium, Sr	63 europium, Eu	88 <i>radium, Ra</i>
14. silicon, Si	39 yttrium, Y	64 gadolinium, Gd	89 <i>actinium, Ac</i>
15. phosphorus, P	40 zirconium, Zr	65 terbium, Tb	90 <i>thorium, Θ</i>
16. sulphur, S	41 niobium, Nb	66 dysprosium, Dy	91 <i>meitnerum, Mt</i>
17. chlorine, Cl	42 molybdenum, Mo	67 holmium, Ho	92 <i>uranium, U</i>
18. argon, Ar	43 <i>technetium, Tc</i>	68 erbium, Er	93 <i>neptunium, Np</i>
19. potassium, K	44 ruthenium, Ru	69 thulium, <i>Θu</i>	94 <i>plutonium, Pu</i>
20. calcium, Ca	45 rhodium, Rh	70 spectrium, Sp	95 <i>americum, Am</i>
21. scandium, Sc	46 palladium, Pd	71 lutetium, Lu	96 <i>curium, Cm</i>
22. titanium, Ti	47 silver, Ag	72 hafnium, Hf	97 <i>illinium, Il</i>
23. vanadium, V	48 cadmium, Cd	73 tantalum, Ta	98 <i>californium, Cf</i>
24. chromium, Cr	49 indium, In	74 tungsten, W	99 <i>einsteinium, Ei</i>
25. manganese, Mn	50 tin, Sn	75 rhenium, Re	100 <i>fermium, Fm</i>

*Italic = radioactive.*