

Cylindrical Helix Periodic Table of the Elements

This **paper-and-plastic model** is partly opaque and and partly transparent.

																		1	2	3	4														
																		H	He	Li	Be														
																		5	6	7	8	9	10	11	12										
																		B	C	N	O	F	Ne	Na	Mg										
																		13	14	15	16	17	18	19	20										
																		Al	Si	P	S	Cl	Ar	K	Ca										
																		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
																		Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr	Rb	Sr
																		39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																		Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe	Cs	Ba
57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88				
La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn	Fr	Ra				
89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120				
Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Nh	Fl	Mc	Lv	Ts	Og						

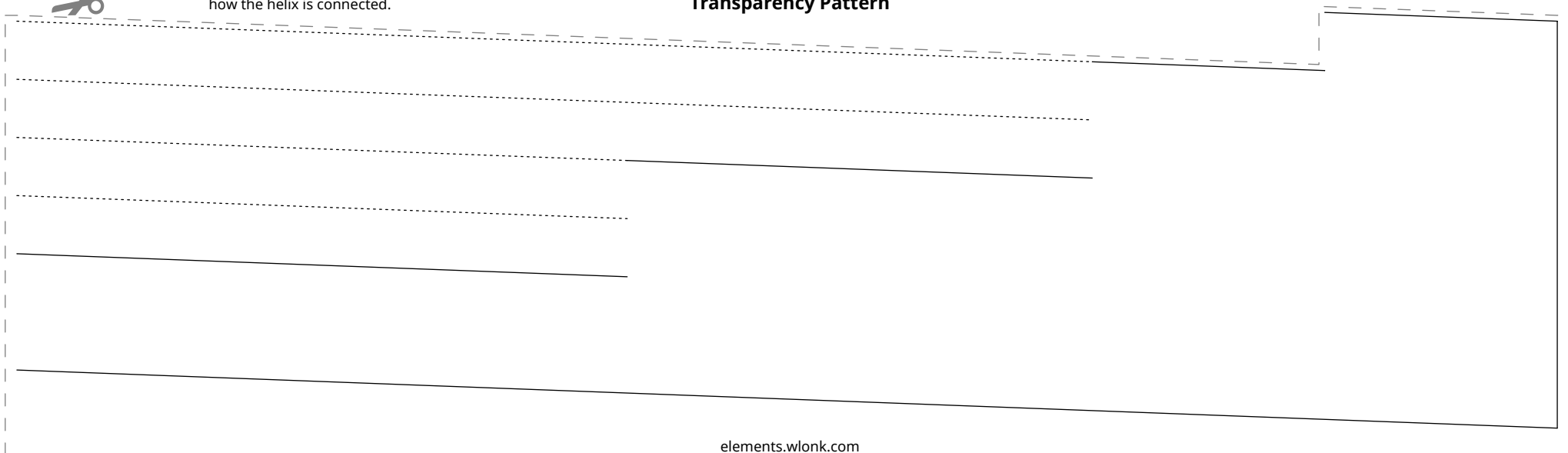


Paper Pattern



The four dotted lines show how the helix is connected.

Transparency Pattern



elements.wlonk.com

Instructions

1. Print the **paper pattern** on paper.
2. Print or trace the **transparency pattern** on a clear plastic sheet, at the same scale.
3. Cut out the paper table along the outer solid lines.
4. Cut out the clear sheet along the outer dashed line.
5. Place the paper table behind the clear sheet, align the solid lines, and attach the right edge of the paper (elements 4 to 120) to the clear sheet using clear tape.

6. Roll the paper into a cylinder, align element 56 with element 57, and tape the edges together.
7. Gradually wrap the clear sheet snugly around the paper cylinder, starting at the right edge and moving to the left, adding small pieces of tape as you go (say, at elements 113 and 103).
8. Finish the cylinder by taping along the entire seam on both front and back.

