THE PERIODIC TABLE

Every high school student is familiar with the periodic table. It is nothing but the tabular arrangement of the chemical elements, arranged on the basis of their atomic numbers, electronic configuration and recurring chemical properties.

Here's a diagram of the standard periodic table:

hydrogen	a 1 55 1		1070	950	151	6	257	5	1550	3/5	560	18	90%	790	870	**	65 1	helium
H																		He
1.0079																		4.0026
lithium 3	beryllium 4												boron 5	carbon 6	nitrogen 7	oxygen 8	fluorine 9	neon 10
Ľi	Be												B	Č	Ń	Ô	Ě	Ne
6,941	9,0122												10.811	12.011	14.007	15,999	18,998	20.180
sodium 11	magnesium 12												aluminium	silicon	phosphorus 15	sulfur	chlorine	argon
2020													13 A I	14		16	17	18
Na	Mg												Al	Si	Р	S	CI	Ar
22.990 potassium	24.305 calcium		scandium	titanium	vanadium	chromium	manganese	iron	cobalt	nickel	copper	zinc	26.982 gallium	28.086 germanium	30.974 arsenic	32.065 selenium	35.453 bromine	39.948 krypton
19	20		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
K	Ca		Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
39.098 rubidium	40.078 strontium		44.956 yttrium	47.867 zirconium	50.942 niobium	51.996 molybdenum	54.938 technetium	55.845 ruthenium	58,933 rhodium	58,693 palladium	63,546 silver	65.39 cadmium	69.723 indium	72.61 tin	74.922 antimony	78.96 tellurium	79,904 lodine	83.80 xenon
37	38		39	40	41	42	43	_44	45	46	47	48	49	50	51	52	53	54
Rb	Sr		Υ	Zr	Nb	Мо	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te		Xe
85.468 caesium	87.62 barium	100000000	88.906 lutetium	91.224 hafnium	92.906 tantalum	95.94 tungsten	rhenium	101.07 osmium	102.91 iridium	106.42 platinum	107.87 gold	112.41 mercury	114.82 thallium	118.71 lead	121.76 bismuth	127.60 polonium	126.90 astatine	131.29 radon
55	56	57-70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86
Cs	Ba	*	Lu	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	ΤI	Pb	Bi	Po	At	Rn
132.91 francium	137.33 radium		174.97 lawrencium	178.49 rutherfordium	180.95 dubnium	183.84 seaborgium	186.21 bohrium	190.23 hassium	192.22 meitnerium	195.08 ununnilium	196.97 unununjum	200.59 ununbium	204.38	207.2 ununguadium	208.98	[209]	[210]	[222]
87	88	89-102	103	104	105	106	107	108	109	110	111	112		114				
Fr	Ra	* *	Lr	Rf	Db	Sg	Bh	Hs	Mt	Uun	Uuu	Uub		Uuq				
[223]	[226]		[262]	[261]	[262]	[266]	[264]	[269]	[268]	[271]	[272]	[277]		[289]				
V I			lanthanum 57	cerium 58	praseodymium 59	neodymium 60	promethium 61	samarium 62	europium 63	gadolinium 64	terbium 65	dysprosium 66	holmium 67	erbium 68	thulium 69	ytterbium 70		
*Lanthanide series			1000	Сe	Pr	Nd	Pm	Sm	Ĕu	Gd	Τ̈́b		Ho	Ĕr	-	Yb		
			La 138.91	140.12	140.91	144.24	[145]	150.36	151.96	157.25	158.93	Dy	164.93	167.26	1 m	173.04		
* * A - 4! - ! - !			actinium	thorium 90	protactinium	uranium	neptunium	plutonium	americium	curium 96	berkelium	californium	einsteinium	fermium	mendelevium	nobelium 102		
* * Actinide series			89		91	92	93	94	95	-	97 DJ-	98	99	100	101 N/I al			
			Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No		
			[227]	232.04	231.04	238.03	[237]	[244]	[243]	[247]	[247]	[251]	[252]	[257]	[258]	[259]	l.	

As it can be seen from the table, there are two elements in the first row – Hydrogen (H) and Helium (He). In the second row, we have Lithium (Li), Beryllium (Be), Boron (B) and so on...

As it can be seen, the periodic table has over 100 elements arranged in multiple rows. However, most students do not have to memorize the full table. It is sufficient if they are well versed with the first 2 or 3 rows only.

In this chapter we will study a wonderful technique by which we can memorize all the elements in the first three rows of the periodic table with the help of a simple and funny story.

But before we begin, let us get acquainted with the elements in the first three rows. Here they are :

- 1) HYDROGEN
- 2) HELIUM
- 3) LITHIUM
- 4) BERYLLIUM
- 5) BORON
- 6) CARBON
- 7) NITROGEN
- 8) OXYGEN
- 9) FLOURINE
- 10) **NEON**
- 11) SODIUM
- 12) MAGNESIUM
- 13) ALUMINIUM
- 14) SILICON
- 15) PHOSPHOROUS
- 16) SULPHUR/SULFUR
- 17) CHLORINE
- 18) ARGON

As it can be seen, we have a total of 18 elements to remember. We will now form a story with a code word on every line. This code word will help us remember the element associated with it. But first, let us have a look at this small story.

'Once upon a time, there was a doctor named Mr. Hydrogen. One day he went on a hill and stayed in Hotel Lithium where he ate a lot of strawberries. Feeling bored, he removed his car and boosted the nitro speed. Unfortunately, he banged an ox walking on the road. The ox fell on the floor and hurt its knee. The doctor consoled him with a bottle of soda and gifted him a magnetic leg made of aluminium rods. The ox looked very silly. He remembered the days when he was prosperous; but was now destined to suffer. Even cloning was not possible. With a feeling of revenge, he shot the doctor with his R-GUN'

I strongly recommend that you read the story once again. Now let us analyze it in proper sequence with the name of the elements in the brackets. Here we go:

- 1) One upon a time, a doctor named Mr. Hydrogen (HYDROGEN)
- 2) Went on a Hill (HELIUM)
- 3) He stayed in Hotel Lithium (LITHIUM)
- 4) Where he ate straw-BERRY (BERYLLIUM)
- 5) But after some time he got BORED (BORON)
- 6) So he removed his CAR (CARBON)
- 7) And boosted the NITRO speed (NITROGEN)
- 8) But banged an OX walking on the road (OXYGEN)
- 9) The ox fell on the FLOOR (FLOURINE)
- 10) And hurt its KNEE (NEON)
- 11) The doctor gave it a bottle of SODA (SODIUM)
- 12) And gifted it a MAGNETIC knee (MAGNESIUM)
- 13) With ALUMINIUM rods (ALUMINIUM)
- 14) The ox looked very SILLY (SILICON)
- 15) He remembered the days when he was PROSPEROUS (PHOSPHOROUS)
- 16) But now he was destined to SUFFER (SULPHUR/SULFUR)
- 17) Even CLONING was not possible (CHLORINE)
- 18) With a feeling of revenge, he shot the doctor with his R-GUN (ARGON)

A quick glance at the technique and you will see the simplicity with which we memorized all the elements. We shall now take a small test to check how much you have remembered.

a) One day a doctor named Mr. H	(H	N)
b) Went on a H (HM)		
c) He stayed in Hotel L (L	M)	
d) Where he ate S (B	M)	
e) But after some time he got B	(BN)	
f) So he removed his C (C	N)	
g) And boosted the N speed (N	N)	
h) But banged an O walking on the r	road (ON)	
i) The ox fell on the F (F	_E)	
j) And hurt its K(NN)		
k) The doctor gave it a bottle of S	(SM)	
I) And gifted it a M knee (M_	M)	
m) With A rods (A	M)	
n) The ox looked very S (S	_N)	
o) He remembered the days when he wa	is P(P	S)
p) But now he was destined to S	(SR)	
q) Even C was not possible (C	E)	
r) With a feeling of revenge, he shot the	doctor with his R-	(A N)

Three cheers to you if you have got all the elements correct! On the Internet you will find many different techniques of remembering the periodic table; but to be brutally honest I was not satisfied with any of them and hence decided to make my own technique. I sincerely hoped you have liked it.

In as much as I have discussed only the first three rows, you can go ahead and extend this story for the other rows too. Make sure your story is relevant as well as funny at the same time!

Good luck!!