



SSC GK

PYQs

Class Notes of Parmar Sir

Lecture :- 13

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→ Kuchipudi (Andhra Pradesh) — Raja Reddy, Radha Reddy

Kathakali (Kerala) — Mukunda Raja

Bharatanatyam (TN) — Rukmini Devi Arundhati, Minakalini Sarabhai
Leela Samson, Vijayanthimala Bali, Minakshi Sundaram Pillai, Bala Saraswati

Mohiniattam (Kerala) — Kanak Rele
(Kanya style)

Kathak (UP) — Birju, Sambu Maharaj, Sitara Devi, Shona Narayan

Manipuri (Manipur) — Thavexi Sisters, Bimbarati Devi

→ Ishwarchandra Vidyasagar — widow remarriage Act, 1856

(→ School for girls at Calcutta
→ Borno Porichoy (Bengali) — Book

(→ Governor General } Lord Dalhousie

→ Community — New Year

Jewish — Rosh Hashana

Parsi — Nowruz

Muslim — Hijri (Eid - Al - Adha) → 1st day of Moharram

(Thailand) Thai — Songkran

Ladakhi / Bhutan — Losar

Marathi — Gudi Padwa

Telugu — Ugadi

Tamil Nadu

—

Puthandu

|

Pongal — Harvest

Assam

—

Bohag / Rangali Bihu

Bengal

—

Poila Baisakh

Kerala

—

Vishu

Punjab

—

Baisakhi



→ 2005/06 — Budget introduced gender sensitivities of Budgetary allocations

→ Budget : ^{Dept. of Economic Affairs} Art 112 — Annual financial Statement

↓

word not in constitution

Railway
Budget

/

General
Budget

→

Acworth comm. 1924
(separate)

Railway Budget
General Budget

→

Bibek Debroy Comm. 2017
(united)

Budget ← changed Expenditure → Not votable

← made from Expenditure → votable (only in LS)

→ Table Tennis — unlimited bats are allowed in a row on a serve

China

(Ping Pong)

→ Arhanta Shavath Kamal — major Dhyanchand Khelratna

→ Manika Batra — 1st Indian woman to win a medal in Asian TT championship



→ Ice Hockey — Canada

Eligible for Reappointment

→ Finance Commissioner : Art 280 , Appointed by the President

↓
Chairman of Finance Commission → (1 + 4) members
↓
15 FC so far
Chairman

R Venkataramani

→ Attorney General : Art 76 , Highest law officer of the court

↳ Advises Government on legal matters

Not a full time counsel for the government

Appointed by the President & stays till his pleasure

can practise privately

Solicitor General to aid AG — Not constitutional

→ Advocate General : for Every State , Art 165 , Highest law officer of State

→ Bohr - Bury model : $2n^2$ — n (No. of Shell)

↳ Orbit/path along w/c electrons revolve

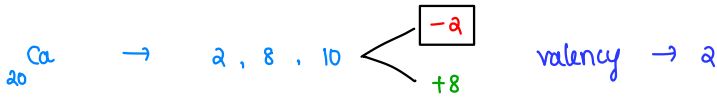
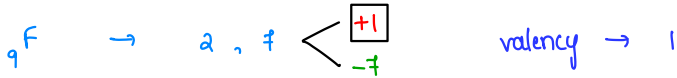
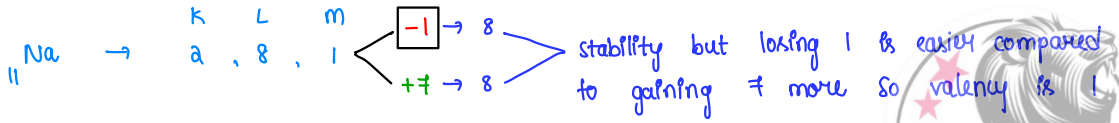
Naming of Shells — Charles & Bakla

	n	$2n^2$
K	1	2
L	2	8
M	3	18
N	4	32
O	5	50

→ Valency : No. of electrons to be gained/lost to achieve stability

Octet Rule — Lewis , Kossel — 8 electrons needed to be stable except

H , He



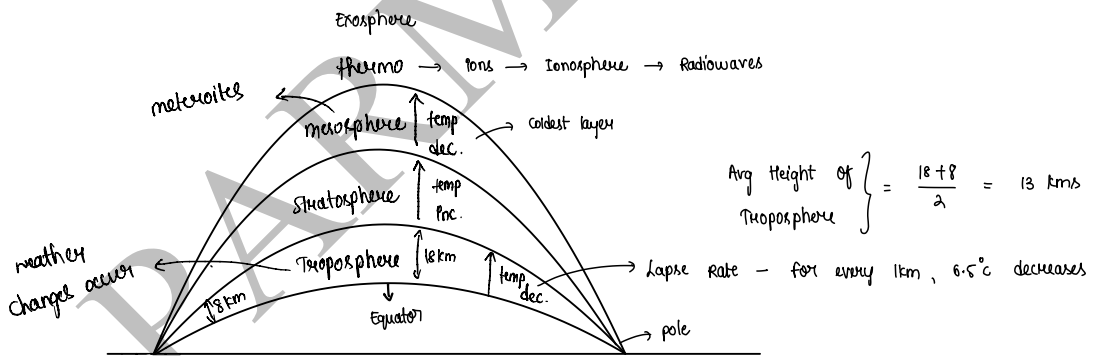
→ group 17 - Halogen → valency - 1

group 18 - valency - 0

→ Atmosphere exists because of gravitational force of Earth

↳ above 100 km - oxygen negligible

→ Atmospheric layers : T | S | M



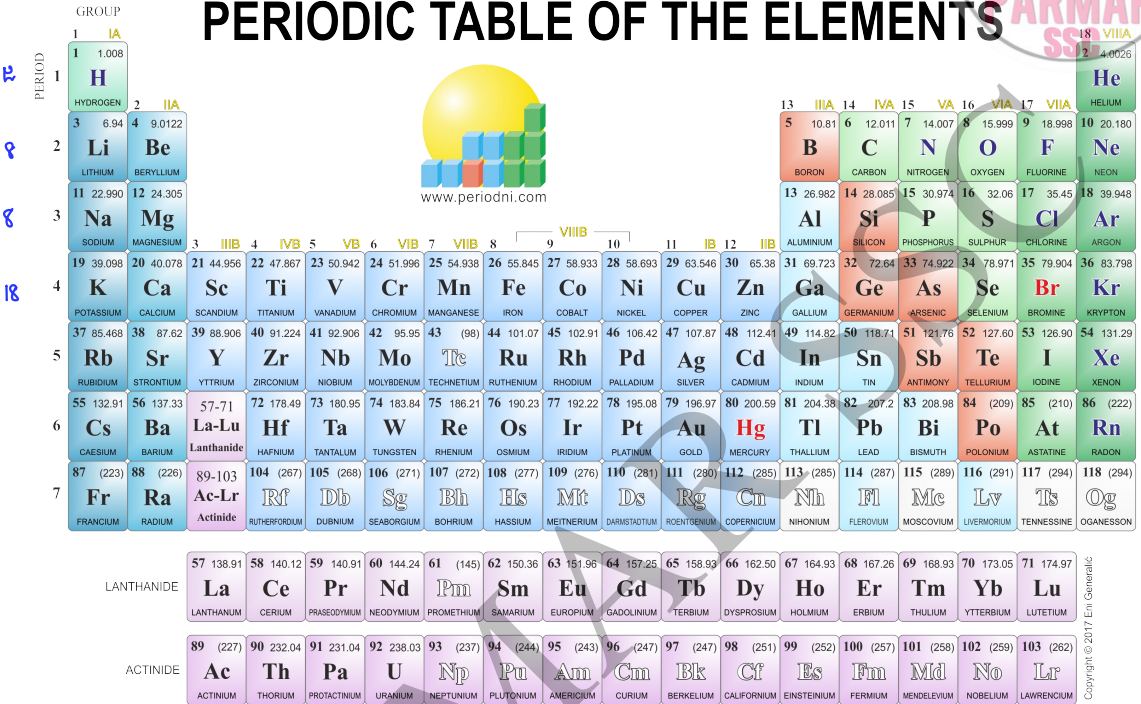
→ Arunachal Pradesh - mawng, myoko
 Sikkim - Lohang / Loocong

↳ Phodong / Rumtek monastery

→ Element 101 - named Mendelevium in honour of Dmitri Mendeleev in 1955

→ modern Periodic Table :

PERIODIC TABLE OF THE ELEMENTS



The periodic table is organized into 7 periods (rows) and 18 groups (columns). The elements are color-coded by groups: Group 1 (IA) is light blue, Group 2 (IIA) is light green, Groups 3-10 (IIIB-VIIB, VIIIB, IB, IIB) are light blue, Groups 11-18 (IIIA-VIIIA) are light green. The Lanthanide and Actinide series are shown below the main table.

GROUP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PERIOD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	H (1.008)																	He (4.0026)
2	Li (6.94)	Be (9.0122)											B (10.81)	C (12.011)	N (14.007)	O (15.999)	F (18.998)	Ne (20.180)
3	Na (22.990)	Mg (24.305)											Al (26.982)	Si (28.085)	P (30.974)	S (32.06)	Cl (35.45)	Ar (39.948)
4	K (39.098)	Ca (40.078)	Sc (44.956)	Ti (47.867)	V (50.942)	Cr (51.996)	Mn (54.938)	Fe (55.845)	Co (58.933)	Ni (58.693)	Cu (63.546)	Zn (65.38)	Ga (69.723)	Ge (72.64)	As (74.922)	Se (78.971)	Br (79.904)	Kr (83.798)
5	Rb (85.468)	Sr (87.62)	Y (88.906)	Zr (91.224)	Nb (92.906)	Mo (95.94)	Tc (98)	Ru (101.07)	Rh (102.91)	Pd (106.42)	Ag (107.87)	Cd (112.41)	In (114.82)	Sn (118.71)	Sb (121.76)	Te (127.60)	I (126.90)	Xe (131.29)
6	Cs (132.91)	Ba (137.33)	La-Lu (57-71)	Hf (178.49)	Ta (180.95)	W (183.84)	Re (186.21)	Os (190.23)	Ir (192.22)	Pt (195.08)	Au (196.97)	Hg (200.59)	Tl (204.38)	Pb (207.2)	Bi (208.98)	Po (209)	At (210)	Rn (222)
7	Fr (223)	Ra (226)	Ac-Lr (89-103)	Rf (261)	Db (268)	Sg (271)	Bh (272)	Hs (277)	Mt (278)	Ds (281)	Rg (280)	Cn (285)	Nh (285)	Fl (287)	Mc (289)	Lv (291)	Tb (294)	Og (294)

LANTHANIDE

57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
LANTHANUM	CERIUM	PRASEODYMIUM	NEODYMIUM	PROMETHIUM	SAMARIUM	EUROPIUM	GADOLINIUM	TERBIUM	DYSPROSIUM	HOLMIUM	ERBIUM	THULIUM	YTTERIUM	LUTETIUM

ACTINIDE

89	90	91	92	93	94	95	96	97	98	99	100	101	102	103
Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr
ACTINIUM	THORIUM	PROTACTINIUM	URANIUM	NEPTUNIUM	PLUTONIUM	AMERICIUM	CURIUM	BERKELIUM	CALIFORNIUM	EINSTEINIUM	FERMIUM	MENDELEVIUM	NOBELIUM	LAWRENCIUM

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→ 7 Periods 18 groups

→ Osteiches in India - Paleolithic (Stone Age) - 5,00,000 BCE to 10,000 BCE

Mesolithic - 10000 BCE to 6000 BCE

Neolithic - 6000 BCE to 1000 BCE - tools

Chalcolithic - Copper Age

→ Electrons $\xrightarrow{\text{energy}}$ Electrons Flow (Potential Difference)



→ Higher resistance to Electricity — Poor conductor

Best conductivity — Ag, Cu

→ conductivity : metal > metalloids > non-metals

→ $V = IR$ (ohm's law)
 $P = VI$

Resistors (series) → Effective $R = R_1 + R_2 + R_3 + \dots$
Resistors (parallel) → Effective $R = \frac{1}{\frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3} + \dots}$

$R = \frac{\rho l}{A}$
 ρ — Specific Resis. / Resistivity → Intrinsic property of material
 l — Length
 A — Area of cross section

→ Kathakali (Kerala) — face colour



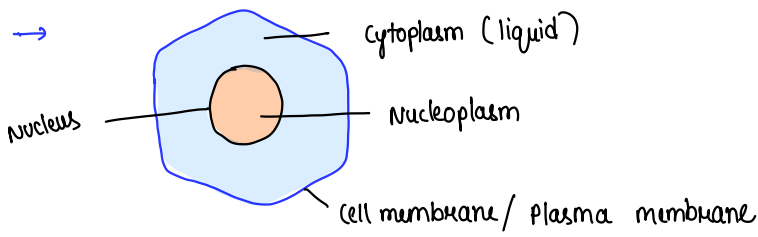
→ Trans - Siberian Railway System — Pacific coast

Longest Passenger Train — Switzerland (1.9 km)

→ Good Ambassador — Nawaj Chopra
 World Economic Forum — Davos
 theme: cooperation in a fragmented world

→ Geneva, Switzerland — WHO, WTO, ILO, WMO

↓
 labour → meteorology
 ↓
 World Labour Day — May 1



→ Cyanobacteria — Blue green Algae

→ Outermost layer of Bacteria cell — Glycocalyx

→ Prokaryotic — no well defined nucleus
cell organelles (X)
Nucleoids (✓)

→ 1651 — factory — British — Hugli, WB

→ Advent of Europeans :

1. Portuguese : Vasco Da Gama (1498) at Calicut (Kerala)
↳ King — Zamorin

↓
1500 — 1st factory at Calicut — Pedro Alvarez Cabral
↓
Cochin

2. Dutch : Netherlands (1605) — Masulipatnam, Andhra
factory

3. English :
factory $\begin{cases} 1611 & \text{— Masulipatnam (temporary)} \\ 1613 & \text{— Surat (Permanent)} \end{cases}$

4. French : factory — Surat (1668)



→ Green Revolution — HYV seeds — wheat

→ Mendeleev's PT :

Eka - Aluminium → Atomic mass - 68
↓ (Replaced by)
gallium

Eka - Silicon → Germanium

→ FORMULA :

Element	Valency
A	2
B	3

Formula : $\begin{matrix} A & B \\ 2 & 3 \end{matrix} \Rightarrow A_3B_2$

∴ Al, Cl : $\begin{matrix} Al & Cl \\ 3 & 1 \end{matrix} \Rightarrow AlCl_3$

→ State Icon of Bihar by Election Commission of India — Maithili Thakur (Singer)

→ National Icon by ECI — Pankaj Tripathi

→ National Ambassador of Child Rights — Ayushman Khurrana

→ PETA (Person for Ethical Treatment to Animals) — Person of Year, India

→ ECI — Election Commission of India — [Art 324 to 329] Sonakshi Sinha

LS RS P VP Legislative Assembly
Legislative Council

Chief ECI
— Rajiv Kumar

→ State Election Commission — Panchayat, Municipality elections

→ Prakash App — BSF — Amit Shah



→ 1st woman Chief Justice of Gujarat HC — Sonita Lokani

→ Ozone Day — 16 Sep

→ Gandhiji — born in 1869

↳ South Africa → India on 9th Jan 1915

↳ Pravasi Bharatiya Diwas

→ Groundnut — Khajif