

## ARJUNA NEET BATCH



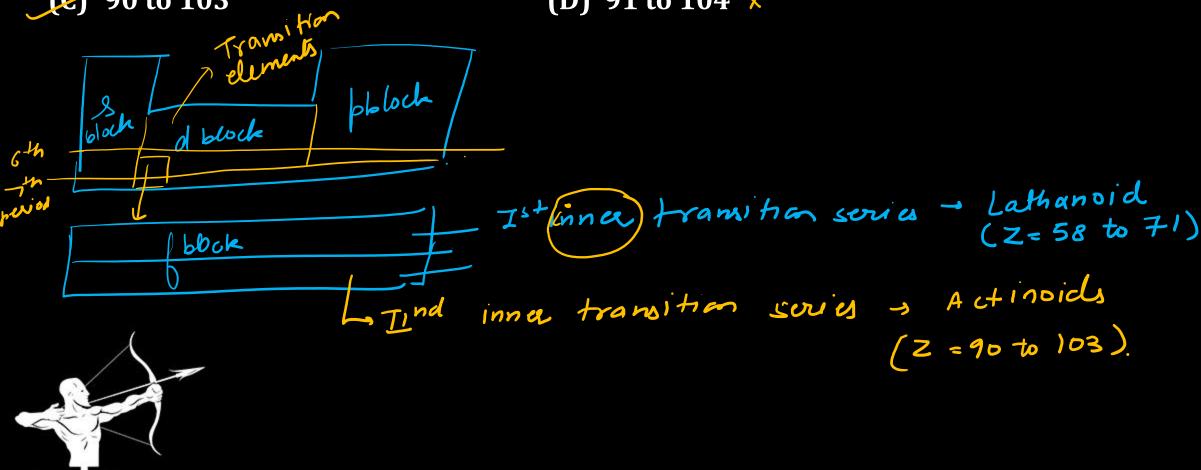
# CLASSIFICATION OF ELEMENTS & PERIODICITY IN PROPERTIES DPP-02

The atomic numbers of elements of the second inner transition elements lie in the range of:-





ARJUNA



#### Symbol for the element with atomic number 114 is



```
(A) Uuq
                            (B) Unq ✓
 (C) Uqn >
                            (D) Unn >
                 Last - ium
               114 - Un Unquadium -
```



#### How many elements are present in 6th period?



ARJUNA

#### In Lother Meyer's curve, the element at the peak of curve will be



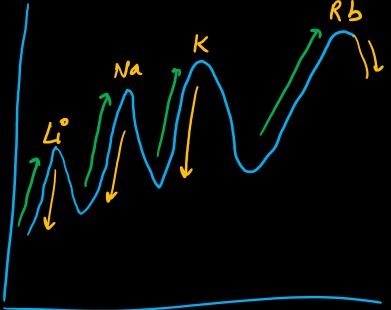
(A) F

(C) Mg

(B) Na

(D) Ne

Atomic



Peak - Grouf 1 elements

Ascending order - halogens and

(F) mobile gases

(Ne)

Descending order - Grouf 2

element

(mg)



A to mic mals.

#### According to Mendeleev's periodic law, physical and chemical properties are function of



- (A) Atomic number 🔀
- **Atomic volume**

- (B) Atomic weight
  - (D) Number of neutrons

mendeleev's periodic law stoles that physical and chemical properties of an elements are provide function of their atomic weights



#### **Uub** is the symbol for the element with atomic number



(A) 102

(C) 110

(B) 108

(B) 112

Uub

-

1 - un

U - bn

s -> bi

\_ 3

last - ium

bub - unbium - 112



#### With which block 30Zn belongs?



(A) s (C) d (B) p

**(D)** f

Zn  $(Z=30) \rightarrow 18^2 28^{\frac{1}{2}} \times 10^6 38^{\frac{1}{2}} 31^6 48 3d^{10}$ Lase electron enters into 3d orbital  $\therefore$  It belongs to d block



#### The alkali metal which is radioactive is



(A) Fr

(C) Li >

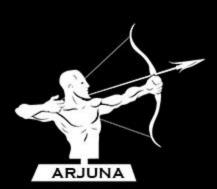
(B) Al ~ Group +3
(D) Mg ~ Group -2

Alkali Group 1

Na

R6

fr -> francium -> Radioactive.



#### The element which belongs with chalcogen family is



(A) N

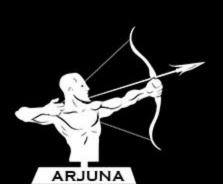
(B) P

(D) Cl

chalwagen family - Group 16 elements

- sulphue

Se - Seleneinn
Te. - Tellusium
Po , Polonium.



In Mendeleev's Periodic Table, gaps were left for the elements to be discovered later. Which of the following elements found a place in the Periodic table later?



- (A) Chlorine
- (C) Oxygen

- (B) Silicon
- (D) Germanium

Mendeleev's left a number of gaps for unknown elements which he predicted to be discovered later.

He named them by placing prefix (Eka) to the name ay element present above it in periodic table.

Eka-aluminium > Gallium Eka - Silicon -> Germanium.



#### At the time of Mendeleev, the number of elements known was



(A) 63

(C) 62

(B) 65

(D) 64

Mendeleev arranged known (63) elements in horizontal rows and vertical columns of a table in a order of increasing atomic weights.



#### The arrangement of elements in the Modem Periodic Table is based on their



- (A) increasing atomic mass in the period
- increasing atomic number in the horizontal rows
- increasing atomic number in the vertical columns
- (D) increasing atomic mass in the group

In Modern periodic table, elements are function af their atomic number, so may placed on the basis of Increwing atomic number in a period thorizonated row

periodiz



A metal 'M' is in the first group of the Periodic Table. What will be the formula of its oxide?



(A) MO

(C)  $M_2O_3$ 

(B)  $M_2O$ 

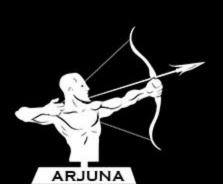
(D) MO<sub>2</sub>

M -> first group -> valency 2

0 - valency - 2

 $M_1$   $O_2$   $\longrightarrow$ 

Crichange the

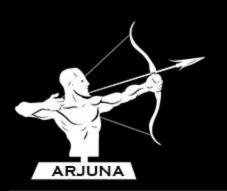


#### What is the other name for group 18th elements?



- (A) Noble gases
- (C) Alkali earth metals -4roup > (B) Alkali metals -4roup -1

Group 18 demants - Invest gases - Noble gases.

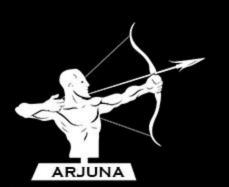


#### Which group elements are called transition metals?



- (A) Group number 1 to 2
- (C) Group number 3 to 12

- (B) Group number 13 to 18
- (D) Group number 1 to 8







### Thank You