

APPOINTMENT / MEETING

Sub-Chemistry
 Class - VII

Chapter-4 Atoms, Molecules and Radicals part-3

Date - 9.7.20

- ① What is valency? Give eg.
- ② What is variable valency?
- ③ What is Periodic table?
- ④ What is group and period?
- ⑤ Determination of valency for the following atomic no. 1 to 20

Element	Electronic Configuration	Valency
H	1	1
He	2	0
Li	2, 1	1
Be	2, 2	2
B	2, 3	3

NOTES

13

2020 NOVEMBER

DAY 318 048 WEEK 46

FRIDAY

November 2020

WK	M	T	W	T	F	S	S
44	30						1
45	2	3	4	5	6	7	8
46	9	10	11	12	13	14	15
47	16	17	18	19	20	21	22
48	23	24	25	26	27	28	29

APPOINTMENT / MEETING

Element	Electronic Configuration	Valency
C	2, 4	4
N	2, 5	$(8-5) = 3$
O	2, 6	$(8-6) = 2$
F	2, 7	$(8-7) = 1$
Ne	2, 8	$(8-8) = 0$
Nh	2, 8, 1	1
Mg	2, 8, 2	2
Al	2, 8, 3	3
Si	2, 8, 4	4
P	2, 8, 5	$(8-5) = 3$
S	2, 8, 6	$(8-6) = 2$
Cl	2, 8, 7	$(8-7) = 1$
Ar	2, 8, 8	$(8-8) = 0$
K	2, 8, 8, 1	1
Cu	2, 8, 8, 2	2

NOTES

December 2020

WK	M	T	W	T	F	S	S
49	1	2	3	4	5	6	
50	7	8	9	10	11	12	13
51	14	15	16	17	18	19	20
52	21	22	23	24	25	26	27
53	28	29	30	31			

APPOINTMENT / MEETING

⑥ How and
 ⑦ How group
 the
 Group
 Period

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 Elo

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November 2020						
T	W	T	F	S	S	
3	4	5	6	7	8	
10	11	12	13	14	15	
17	18	19	20	21	22	
24	25	26	27	28	29	

December 2020						
Wk	M	T	W	T	F	S
49	1	2	3	4	5	6
50	7	8	9	10	11	12
51	14	15	16	17	18	19
52	21	22	23	24	25	26
53	28	29	30	31		

NOVEMBER 2020
 DAY 319-047 WEEK 46
 SATURDAY

14

APPOINTMENT / MEETING

8 (6) How can you represent groups and periods?

9 (7) How can you determine the group and period no. for the following?

11 Group no. = Valence electrons

12 Period no. = No. of shells

1 For eg. Na

2 Atomic no. = 11

3 Electronic Configuration 2, 8, 1

Group no. = 1

4 Period no. = 3 (because no. of shells 3)

5 For Ar Atomic no. = 18

6 Electronic Configuration = 2, 8, 8

Group no. = $(8 - 8) = 0$

Period no. = 3

Sunday 15

NOTES

16

2020 NOVEMBER

DAY 321 - 045 WEEK 47

MONDAY

Wk	M	T	W	T	F	S	S
44/49	30						1
45	2	3	4	5	6	7	8
46	9	10	11	12	13	14	15
47	16	17	18	19	20	21	22
48	23	24	25	26	27	28	29

APPOINTMENT / MEETING

Home task

① What is variable valency? Give two eg. of elements showing variable valency.

② Give the group no. of the following in the periodic table
Mg, O, C, S, He

③ An element belongs to group VA. What would be its valency? Name two such elements

④ An element belongs to group II. What would be its valency.

P.S
9-7-20

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Wk	M	T	W	T	F	S	S
49	1	2	3				
50	7	8	9	10			
51	14	15	16				
52	21	22	23				
53	28	29	30	31			

APPOINTMENT / MEETING

Date

8

9

10

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