

58 alkali metals  
highly reactive  
one valence electron  
1 v.e.

1	P = 1
H	N = 0
Hydrogen	E = 1
1.01	

Bohr Diagram



### Atomic Cards

Rows 1, 2, 3 of  
Periodic Table

2 v.e.

3 v.e.

4 v.e.

5 v.e.

6 v.e.

7 v.e.

full outer  
orbitals (59)  
noble gases  
unreactive 8 v.e.

2	P = 2
He	N = 2
Helium	E = 2
4.00	

Bohr Diagram



He.

halogens  
highly reactive

3	P = 3
Li	N = 4
Lithium	E = 3
6.94	

Bohr Diagram



Li.

4	P = 4
Be	N = 5
Beryllium	E = 4
9.01	

Bohr Diagram



Be.

5	P = 5
B	N = 6
Boron	E = 5
10.81	

Bohr Diagram



B.

6	P = 6
C	N = 6
Carbon	E = 6
12.01	

Bohr Diagram



C.

7	P = 7
N	N = 7
Nitrogen	E = 7
14.01	

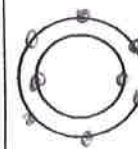
Bohr Diagram



N.

8	P = 8
O	N = 8
Oxygen	E = 8
16.00	

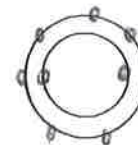
Bohr Diagram



O.

9	P = 9
F	N = 10
Fluorine	E = 9
19.00	

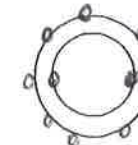
Bohr Diagram



F.

10	P = 10
Ne	N = 10
Neon	E = 10
20.18	

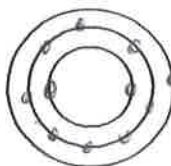
Bohr Diagram



Ne.

11	P = 11
Na	N = 12
Sodium	E = 11
22.99	

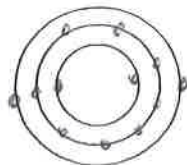
Bohr Diagram



Na.

12	P = 12
Mg	N = 12
Magnesium	E = 12
24.31	

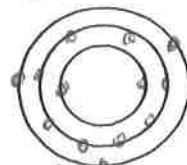
Bohr Diagram



Mg.

13	P = 13
Al	N = 14
Aluminum	E = 13
26.98	

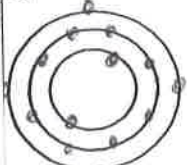
Bohr Diagram



Al.

14	P = 14
Si	N = 14
Silicon	E = 14
28.09	

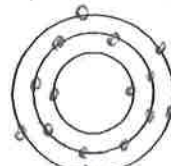
Bohr Diagram



Si.

15	P = 15
P	N = 16
Phosphorus	E = 15
30.97	

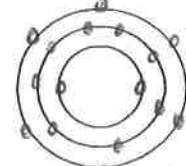
Bohr Diagram



P.

16	P = 16
S	N = 16
Sulfur	E = 16
32.07	

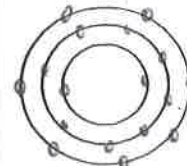
Bohr Diagram



S.

17	P = 17
Cl	N = 18
Chlorine	E = 17
35.45	

Bohr Diagram



Cl.

18	P = 18
Ar	N = 22
Argon	E = 18
39.95	

Bohr Diagram



Ar.