

Pg 207 #31, 33-35, 39
Pg 247 #41, 43, 45, 46 *50
Pg 281 #55, 57

Infer

Unit 2 Book Review

pg 207

- #31) a) one gained
b) one lost
c) 3 gained
d) 2 lost
e) 1 lost
f) 1 gained

33) electrons in the highest occupied energy level (outermost level)

- 34)

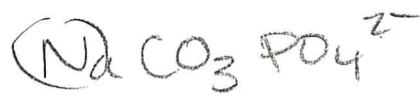
	total e ⁻	column #
a)	7	15
b)	3	1
c)	15	5
d)	56	2
e)	35	7
f)	6	4

35) a) :Cl: b) $\cdot\ddot{\text{S}}\cdot$ c) $\overset{\cdot}{\text{Al}}\cdot$ d) $\text{Li}\cdot$

39) a) S^{2-} b) Na^+ c) F^- d) P^{3-}

pg 247

41) Nitrogen and oxygen are diatomic molecules (BRINCITIOF twins) which means they exist as molecules. Argon is a NOBLE gas so it is non-reactive and exists as a single atom.

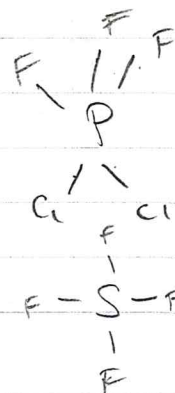
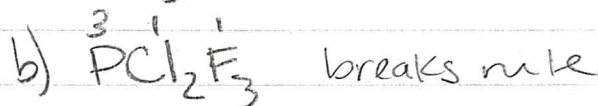
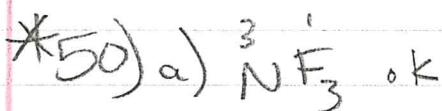
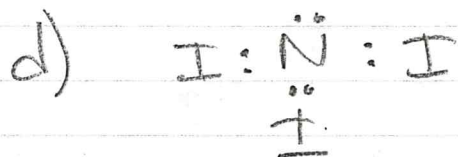
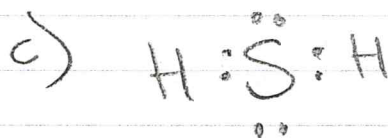
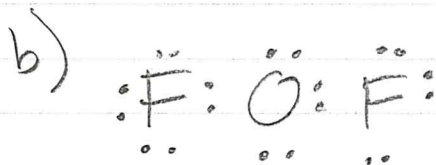
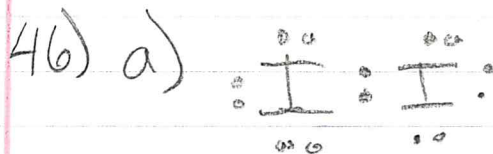


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pg 247

43) ionic compounds have at least one metal
a) ionic b) ionic c) covalent d) covalent

45) A double covalent bond has four shared electrons (2 bonding pairs); a triple covalent bond has six shared electrons (3 bonding pairs)



Inter

pg 281

- 55)
- a) tri-
 - b) mono-
 - c) di-
 - d) hexa-
 - e) penta-
 - f) tetra-

- 57)
- a) BCl_3
 - b) dinitrogen pentoxide
 - c) N_2H_4
 - d) carbon tetrachloride