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TENDER HEART HIGH SCHOOL, SEC-33B, CHD.

Class :- VIII

Chapter :- 4

Subject :- Chemistry

Teacher :- Anamika

Q:- In the formation of (i) Oxygen molecule
(ii) Carbon tetrachloride molecule, state the following:-

a) Electronic Configuration of nearest inert gas attained?

Ans:- (i) Oxygen molecule attain configuration of neon

(ii) Carbon tetrachloride molecule attain configuration of Argon.

b) How many electrons are shared/transferred in bond formation?

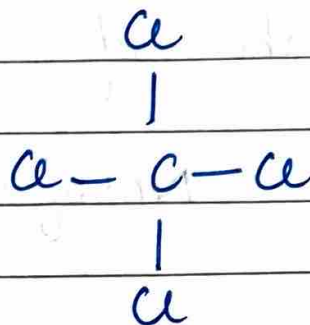
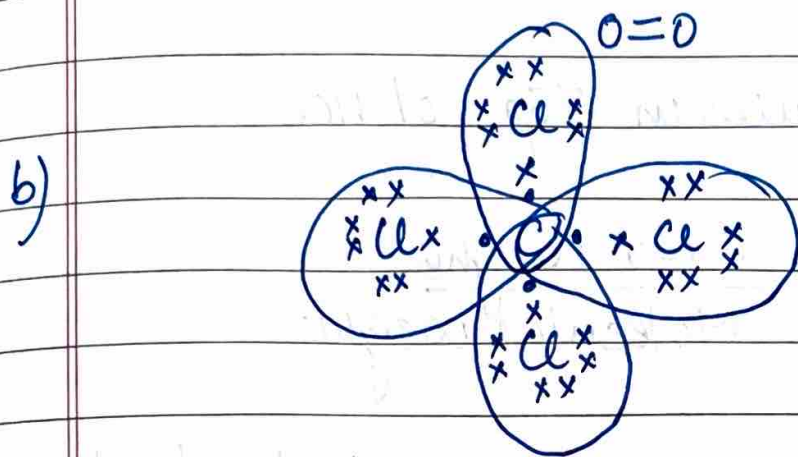
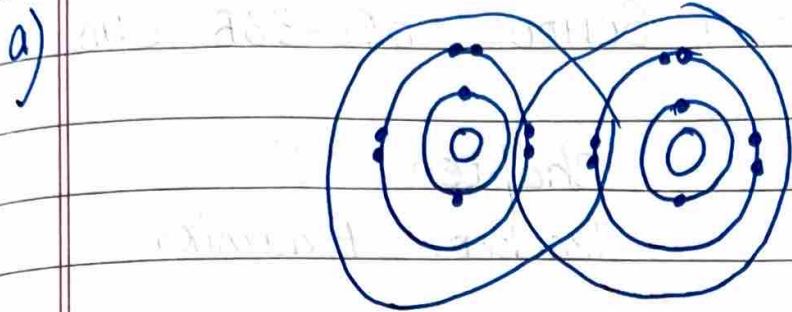
Ans:- (i) In Oxygen molecule 2 electrons are shared.

(ii) In Carbon tetrachloride 4 electrons are shared.

c) Which type of bond these compounds form?

Ans:- Covalent bond

d) Draw their orbital structure?



Q' state type of bonding in the following molecule

a) $\text{H}_2\text{O} \rightarrow$ Covalent bond

b) $\text{CaO} \rightarrow$ Ionic/ Electrovalent bond

c) $\text{HCl} \rightarrow$ Covalent bond