

Pragati Education.

Carbon and it's Compounds

1. Give the names of the functional group;-

(i) –CHO (ii) -C=O (iii) –OH (iv) –COOH

Ans- (i) Aldehyde group (ii) Ketone group (iii) alcoholic (iv) carboxylic

2. Draw the electron dot structure of

a) H₂O

b) CO₂

c) O₂

d) N₂

e) F₂

F) CH₄

G) C₂H₆

H) Cl₂

3. why carbon is versatile in nature?

4. Give 4 difference in diamond and graphite? Define covalency ?

Ans- The number of electrons contributed by an atom in the formation of a covalent bond is called the covalency.

The covalency of an element in a covalent compound is equal to the number of covalent bond formed by an atom

of the element with other atom.

5. What is the formula of an alkyne

having five carbon atoms?

6. Write the name of the functional

group present in the following

compounds.

(i) CH₃CH₂OH

(ii) CH₃CH₂Cl

(iii) Ethanal

(iv) Acetic acid

(v) Hexyne

7.Name the 4 th member of ketone homologous series.