

PRACTICE TEST PAPER: CLASS-X CARBON AND ITS COMPOUNDS- X

1. Element carbon forms compounds mainly by covalent bond. Give reason.
2. Differentiate between covalent bond and ionic bond.
3. Draw the electron dot structure of ethyne and also draw its structural formula.
4. Why are covalent compounds generally poor conductors of electricity?
5. Give one example of each
 - single,
 - double,
 - and triple bond,

With the help of their structural diagrams.

6. Define the term 'isomers'.
7. Draw two possible isomers of the compound with their molecular formula C_3H_6O and write their names.
8. Give the electron dot structure of the above two compounds.
9. Differentiate between saturated and unsaturated compounds with the help of example.
10. What are hydrocarbons? Differentiate between Alkanes, Alkenes, and Alkynes.
11. What are functional groups? Write 3 formulas of functional groups.
12. What are homologous series? Write the general formula for Alkene?
13. In any homologous series, there is a gradation in physical properties.
 - Which chemical properties remain the same?
 - Give reason.
14. Draw the structure of benzene and cyclopentane.
15. Explain the mechanism of the cleaning action of soap.