

Carbon and Its Compounds

Previous Year Questions

- Q.1.** Write the molecular formula of the following carbon compounds:
(a) Methane (b) Propane.
- Q.2.** Why do most carbon compounds have low melting and boiling points?
- Q.3.** Draw two different possible structures of a saturated hydrocarbon having four carbon atoms. What are these structures called?
- Q.4.** Write the molecular formula and common name of the compound having the formula C_2H_5OH .
- Q.5.** What are homologous series? Give two characteristics of a homologous series.
- Q.6.** Explain the formation of covalent bonds in a methane (CH_4) molecule with the help of an electron dot structure.
- Q.7.** What are alkanes, alkenes and alkynes? Write one example of each.
- Q.8.** Write the molecular formula of benzene and draw its structure. Also state the number of single and double bonds present in it.
- Q.9.** What are isomers? Explain with an example of a hydrocarbon having four carbon atoms.
- Q.10.** Write the general formula of alkanes. How do their physical properties change with increasing molecular mass?