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SCIENCE WORKSHEET SOLVED CARBON AND ITS COMPOUNDS

Section -1 (MULTIPLE CHOICE QUESTIONS):

1M

1. Pentane with molecular formula C_5H_{12} has
(a) 12 covalent bonds (b) 16 covalent bonds (c) 18 covalent bonds (d) 15 covalent bonds
2. Which of the following statements is incorrect regarding a homologous series?
(i) Compounds in a homologous series can have the same or different functional group.
(ii) Compounds in a homologous series have very less similarity in chemical properties.
(iii) Difference between the two successive compounds in a homologous series differ by a CH_2 group.
(iv) Successive members in a homologous series differ in molecular mass by 14 units
(a) i and ii
(b) ii and iii
(c) iii and iv
(d) i and iv
3. Which of the following aliphatic compounds, is saturated molecule?
(a) C_6H_{12} (b) C_2H_2 (c) C_3H_{10} (d) C_4H_{10}
4. Three of the four compounds belong to a homologous series. Identify the odd one out.
(a) C_4H_{10} (b) C_2H_4 (c) C_3H_8 (d) C_5H_{12}
5. Which of these is not a property of Carbon?
(a) Catenation (b) Tetravalency
(c) Formation of ionic bonds (d) Tendency to form multiple bonds
6. Name the metal that is not present in carbon family
a) Si b) Ge c) Sb d) Sn

Carbon Compounds Workbook Answers

J Rink



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