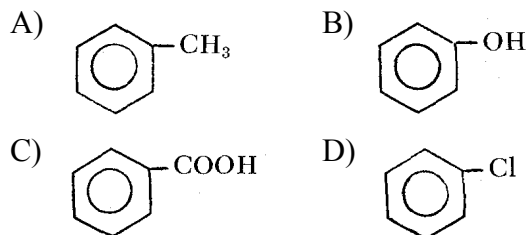


1. Which molecular formula can be represented by the structural formula shown below?

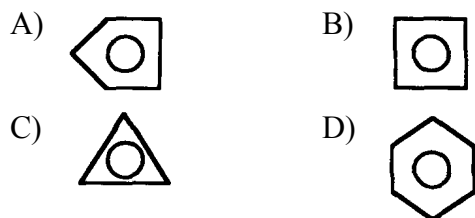


- A) C_6H_6 B) C_6H_{10}
C) C_6H_{12} D) C_6H_{14}

2. Which compound is a hydrocarbon?



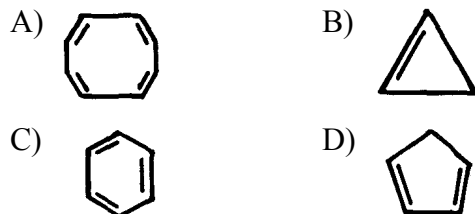
3. For simplicity, the structure of benzene is often represented as



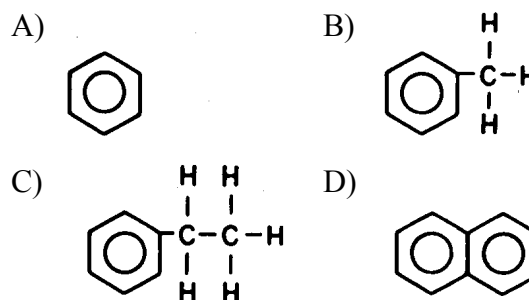
4. Toluene is a member of the same homologous series as

- A) acetylene B) ethene
C) benzene D) butene

5. Which diagram may be used to represent a benzene ring?



6. Which of the following represents toluene?



7. The structures shown to the right may be used to represent



- A) benzene B) methane
C) acetylene D) cyclopropane
E) toluene

8. Which series contains cyclic hydrocarbons?

- A) alkane B) alkene
C) alkyne D) benzene
E) aldehydes