

SAT Chemistry Practice Test 31

1. Compounds that have the same composition but differ in their structural formulas

- A. are used for substitution products
- B. are called isomers
- C. are called polymers
- D. have the same properties
- E. are usually alkanes

2. Ethene is the first member of the

- A. alkane series
- B. saturated hydrocarbons
- C. alkyne series
- D. unsaturated hydrocarbons
- E. aromatic hydrocarbons

3. Which organic structure is ethylamine?

A. $\text{CH}_3\text{-CH}_2\text{-CH}_3$

B. $\text{CH}_3\text{-C}\begin{matrix} \text{O} \\ // \\ \text{OH} \end{matrix}$

C. $\text{CH}_3\text{-O-C}_3\text{H}_7$

D. $\text{CH}_3\text{-C}\begin{matrix} \text{O} \\ || \\ \text{CH}_3 \end{matrix}$

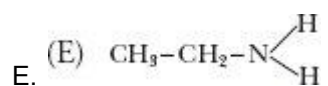
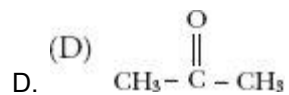
E. $\text{CH}_3\text{-CH}_2\text{-N}\begin{matrix} \text{H} \\ / \\ \text{H} \end{matrix}$

4. Which organic structure is methyl propyl ether (methoxypropane)?

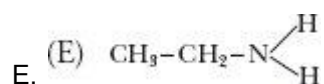
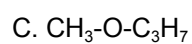
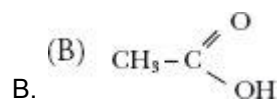
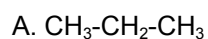
A. $\text{CH}_3\text{-CH}_2\text{-CH}_3$

B. $\text{CH}_3\text{-C}\begin{matrix} \text{O} \\ // \\ \text{OH} \end{matrix}$

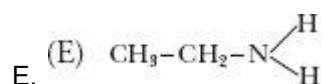
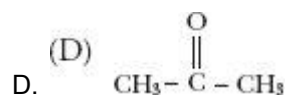
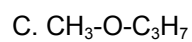
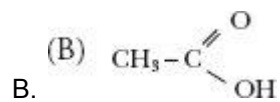
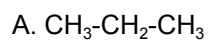
C. $\text{CH}_3\text{-O-C}_3\text{H}_7$



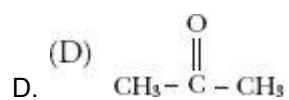
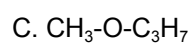
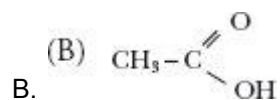
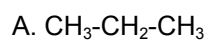
5. Which organic structure is propane?

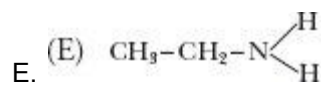


6. Which organic structure is ethanoic acid?

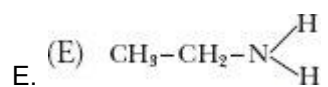
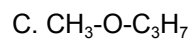
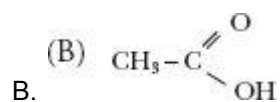
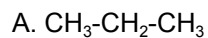


7. Which organic structure is propanone?

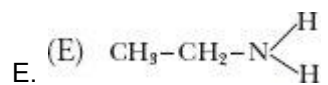
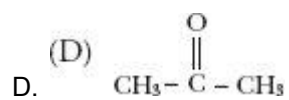
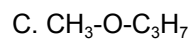
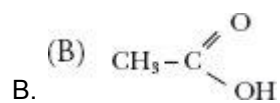
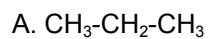




8. Which structure contains an organic acid functional group?



9. Which structure contains a ketone grouping?



10. Which structure contains an amine group?

