

1. Main source of organic compounds is

- A. Animal B. Fossil
C. Coal D. Plants

Answer: Option A

2. Octane number can be improved by

- A. Isomerization B. Adding $(C_2H_5)_4 Pb$
C. Adding $(CH_3)_4 Pb$ D. All

Answer: Option D

3. Hydro carbons which burn with smoky flame are called

- A. Aliphatic B. Alicyclic
C. Aromatic D. Aldehyde

Answer: Option C

4. Octane number 2,2,4-trimethyl pentane is

- A. 100 B. 90
C. 80 D. 70

Answer: Option A

5. Propene can exhibit

- A. cis-trans isomerism B. geometric isomerism
C. both a & b D. none of the above

Answer: Option D

6. Geometric isomerism is usually found in

- A. Alkanes
C. Alkynes
- B. Alkenes
D. Esters

Answer: Option B

7. Pentane and 2-methyl butane have the same
- A. Boiling point
C. Percentage composition
- B. Melting point
D. Structural formula

Answer: Option C

8. Organic compounds that are essentially nonpolar and exhibit weak intermolecular forces have
- A. Low melting points
C. High boiling points
- B. Low vapour pressure
D. High electrical conductivity

Answer: Option A

9. The first organic compound was synthesized in laboratory by
- A. Wohler
C. Berzilius
- B. Kolbe
D. Berthelot

Answer: Option A

10. According to vital force theory
- A. Organic compounds can be synthesized from inorganic compounds
C. organic compounds can be synthesized by animals
- B. organic compounds cannot be synthesized from inorganic compounds
D. organic compounds can be synthesized by plants

Answer: Option B

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