

Multiple Choice Questions

1 Condensed structural formula for butane is

- A. $\text{CH}_3\text{—CH}_2\text{—CH}_3$
- B. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_3$
- C. $\text{CH}_3\text{—CH}_2\text{—CH}_2\text{—CH}_2\text{—CH}_3$
- D. $\text{CH}_3\text{—CH}_3$

2 $\text{CH}_3\text{—CH}_2\text{—CH}_3$ is the chemical formula for

- A. Ethane
- B. Propane
- C. Butane
- D. Pentane

3 Which compound is not a saturated hydrocarbon

- A. $\text{CH}_3\text{—CH}_3$
- B. CH_4
- A. $\text{CH}_3\text{—CH=CH}_2$
- D. $\text{CH}_3\text{—CH}_2\text{—CH}_3$

4 Stem "But" stands for how many carbons

- A. 2
- B. 3
- C. 4
- D. 5

5 Pitch is produced by

- A. Coal
- B. Coal Tar
- C. Coal gas
- D. Petroleum

6 The functional group $\begin{array}{c} \text{O} \\ \parallel \\ \text{C} \end{array}$ is found in

- A. Alcohols
- B. Ketones
- C. Carboxylic acids
- D. Esters

7 In which of the following compounds oxygen is attached to two alkyl carbon atoms?

- A. Alcohol
- B. Phenol
- C. Ether
- D. Ester

8 Which of the following is an alcohol

- A. $\text{CH}_3\text{—CH}_2\text{—O—CH}_2\text{—CH}_3$
- B. $\text{CH}_3\text{—CH}_2\text{—COOH}$
- C. $\text{C}_6\text{H}_5\text{—OH}$
- D. $\text{CH}_3\text{—CH}_2\text{—OH}$

9 The functional group of amines is

- A. —OH
- B. —COOH
- C. NH_2
- D. —CHO

10 Formic acid contains functional group

A. $-\text{OH}$
C. $-\text{COOH}$

B. $-\text{CO}-$
D. $-\text{CHO}$

Correct Answers

- | | | | | |
|------|------|------|------|-------|
| 1. B | 2. B | 3. C | 4. C | 5. D |
| 6. B | 7. C | 8. D | 9. C | 10. C |

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