

IUPAC Organic Nomenclature



Organic IUPAC Nomenclature Multiple Choice Questions

1. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{CH}_3$?
 - a) Methane
 - b) Ethane
 - c) Propane
 - d) Butane
2. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{OH}$?
 - a) Methanol
 - b) Ethanol
 - c) Propanol
 - d) Butanol
3. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{COOH}$?
 - a) Ethanoic acid
 - b) Methanoic acid
 - c) Propanoic acid
 - d) Butanoic acid
4. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{CH}_2\text{Cl}$?
 - a) Chloromethane
 - b) Chloroethane
 - c) 1-Chloropropane
 - d) 2-Chloropropane
5. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{COCH}_3$?
 - a) Propanal
 - b) Butanal
 - c) Propanone
 - d) Butanone
6. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{NH}_2$?
 - a) Ethylamine
 - b) Methylamine
 - c) Propylamine
 - d) Butylamine
7. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$?
 - a) Methanol
 - b) Ethanol
 - c) Propanol
 - d) Butanol
8. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{CHO}$?
 - a) Propanone
 - b) Propanal
 - c) Propanol
 - d) Butanal
9. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{CH}_2\text{COOH}$?

- a) Propanoic acid
 - b) Butanoic acid
 - c) Pentanoic acid
 - d) Hexanoic acid
10. What is the IUPAC name of CH_3OCH_3 ?
- a) Methanol
 - b) Dimethyl ether
 - c) Methoxy methane
 - d) Ethanol
11. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{CH}_2\text{COCH}_3$?
- a) Butanal
 - b) 2-Pentanone
 - c) 3-Pentanone
 - d) 2-Butanone
12. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_3$?
- a) Butane
 - b) Pentane
 - c) Hexane
 - d) Propane
13. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{CH}_2\text{Br}$?
- a) Bromomethane
 - b) Bromoethane
 - c) 1-Bromopropane
 - d) 2-Bromopropane
14. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{CH}_2\text{CN}$?
- a) Propanenitrile
 - b) Butanenitrile
 - c) Methanenitrile
 - d) Ethanenitrile
15. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{CH}_2\text{NO}_2$?
- a) Nitroethane
 - b) 1-Nitropropane
 - c) 2-Nitropropane
 - d) Nitromethane
16. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$?
- a) Propanol
 - b) Butanol
 - c) Pentanol
 - d) Hexanol
17. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{C}\equiv\text{CH}$?
- a) 1-Butyne
 - b) 2-Butyne
 - c) 1-Pentyne
 - d) 2-Pentyne
18. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{COOCH}_3$?
- a) Methyl propanoate
 - b) Ethyl methanoate
 - c) Methyl ethanoate
 - d) Ethyl propanoate
19. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{COOCH}_2\text{CH}_3$?

- a) Ethyl propanoate
 - b) Methyl butanoate
 - c) Propyl ethanoate
 - d) Ethyl butanoate
20. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{COOH}$?
- a) Pentanoic acid
 - b) Butanoic acid
 - c) Hexanoic acid
 - d) Propanoic acid
21. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$?
- a) Ethanol
 - b) Propanol
 - c) Butanol
 - d) Pentanol
22. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{CH}_2\text{NH}_2$?
- a) Ethylamine
 - b) Propylamine
 - c) Butylamine
 - d) Pentylamine
23. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{Br}$?
- a) Bromomethane
 - b) Bromoethane
 - c) 1-Bromopropane
 - d) 1-Bromobutane
24. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CHO}$?
- a) Pentanal
 - b) Butanal
 - c) Hexanal
 - d) Propanal
25. What is the IUPAC name of $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$?
- a) Butanol
 - b) Pentanol
 - c) Hexanol
 - d) Heptanol

14. b) Butanenitrile
15. b) 1-Nitropropane
16. b) Butanol
17. a) 1-Butyne
18. a) Methyl propanoate
19. a) Ethyl propanoate
20. a) Pentanoic acid
21. b) Propanol
22. b) Propylamine
23. d) 1-Bromobutane
24. b) Butanal
25. b) Pentanol

Answer Key

1. c) Propane
2. b) Ethanol
3. c) Propanoic acid
4. c) 1-Chloropropane
5. d) Butanone
6. a) Ethylamine
7. c) Propanol
8. b) Propanal
9. b) Butanoic acid
10. b) Dimethyl ether
11. b) 2-Pentanone
12. a) Butane
13. c) 1-Bromopropane