Naming Compounds from Chemical Formulas

Alkanes, Alkenes, Alkynes

1. What is the name of the compound with the formula C_3H_8 ?

- a) Propene
- b) Propane (Correct) $H_3C C CH_3$ c) Propanone $H_3C CH_3$
- d) Propyne

2. What is the name of the compound with the formula C_2H_4 ?

- a) Ethane H_3C — CH_3
- b) Ethene (Correct) $H_2C = CH_2$
- c) Ethyne HC CH

3. What is the name of the compound with the formula C_2H_2 ?

- a) Ethane H_3C — CH_3
- b) Ethene $H_2C = CH_2$
- c) Ethyne (Correct) HC = CH d) Ethanol

4. What is the name of the compound with the formula C_4H_{10} ?

- a) Butene $H_3C C C = CH_2$
- b) Butane (Correct) $H_3C C C C CH_3$
- $HC \equiv C C CH_3$ c) Butyne

5. What is the name of the compound with the formula C_3H_6 ?

a) Propane
$$\cdot H_3C - C - CH_3$$

b) Propene (Correct)
$$H_3C - C = CH_2$$

c) Propanol
$$H_3C$$
— C — C — C — C — C — C

d) Propyne
$$HC \equiv C - CH_3$$

6. What is the name of the compound with the formula C_5H_{12} ?

a) Pentane (Correct)
$$H_3C$$
— C — C — C — C — C — C C

b) Pentene
$$H_3C$$
— C — C — C — C — C — C

c) Pentyne
$$HC \equiv C - C - C - CH_3$$

7. What is the name of the compound with the formula C_4H_8 ?

a) Butane
$$H_3C$$
— C — C — C — CH_3

c) Butanol
$$H_3C$$
— C — C — C — C —OH

8. What is the name of the compound with the formula C_2H_6 ?

a) Ethene
$$H_2C = CH_2$$

d) Ethanol
$$H_2C$$
—CH

9. What is the name of the compound with the formula C_3H_4 ?

a) Propane
$$\cdot H_3C - C - CH_3$$

- c) Propyne (Correct) HC = C-CH₃
- d) Propanol $H_3C C C C OH$
- 10. What is the name of the compound with the formula C_5H_{10} ?
 - a) Pentane H_3C —C—C—C—C—C— CH_3
 - b) Pentene (Correct) $H_3C C C C C C = CH_2$
 - $HC \equiv C C C CH_3$ c) Pentyne

Aromatic Hydrocarbons

- 11. What is the name of the compound with the formula C₆H₆?
 - a) Cyclohexane



- b) Benzene (Correct)
- c) Hexane
- d) Toluene

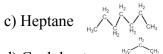


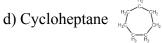
- 12. What is the name of the compound with the formula C₇H₈?
 - a) Benzene



b) Toluene (Correct)







- 13. What is the name of the compound with the formula C₆H₅OH?
 - a) Phenol (Correct)



b) Benzyl alcohol



c) Benzaldehyde



d) Benzene



14. What is the name of the compound with the formula C_8H_{10} ?

- b) Toluene
- c) Xylene

15. What is the name of the compound with the formula $C_6H_4Cl_2$?

- a) Benzyl chloride
- b) Chlorobenzene
- c) Dichlorobenzene (Correct)
- d) Benzene dichloride

16. What is the name of the compound with the formula C₆H₅CH₃?

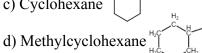
a) Benzene



b) Toluene (Correct)



c) Cyclohexane



17. What is the name of the compound with the formula $C_6H_4(CH_3)_2$?

a) Ethylbenzene



b) Toluene



c) Xylene (Correct)



d) Cyclohexane

18. What is the name of the compound with the formula C₆H₅NO₂?

a) Aniline



b) Nitrobenzene (Correct)



d) Benzylamine
$$H_{0} = H_{0} = H_{0} = H_{0}$$

- 19. What is the name of the compound with the formula C_6H_5CHO ?
 - a) Phenol
 - b) Benzaldehyde (Correct)
 - c) Benzyl alcohol
 - d) Benzamide
- 20. What is the name of the compound with the formula C_6H_5COOH ?
 - a) Phenol

- c) Benzyl alcohol
- d) Benzamide

Alcohols

- 21. What is the name of the compound with the formula C_2H_5OH ?
 - H_3C —OH a) Methanol

b) Ethanol (Correct)
$$H_3C - C - OH - OH$$

c) Propanol
$$H_3C - C - C - OH$$

d) Butanol
$$H_3C$$
— C

- 22. What is the name of the compound with the formula C_3H_7OH ?
 - a) Methanol

b) Ethanol
$$H_3C \longrightarrow C \longrightarrow OH$$

c) Propanol (Correct)
$$H_3C - C - C - OH$$

d) Butanol
$$H_3C$$
— C — C — C — C — C — C

23. What is the name of the compound with the formula C_4H_9OH ?

b) Ethanol
$$H_3C \longrightarrow C \longrightarrow OH$$

c) Propanol $H_3C \longrightarrow C \longrightarrow C \longrightarrow CH$

c) Propanol
$$H_3C$$
— C — C — C — C

d) Butanol (Correct)
$$H_3C - C - C - C - C - OH$$

Aldehydes

24. What is the name of the compound with the formula CH₃CHO?

d) Butanal
$$H_3C$$
— G_2 — G_2 — G_3 — G_4 — G_4 — G_4 — G_4 — G_4 — G_5 — G_4 — G_5 — G_4 — G_5

25. What is the name of the compound with the formula C₃H₇CHO?

d) Butanal
$$H_3C$$
— β_2 — β_2 — β_2 — C — H

26. What is the name of the compound with the formula C₄H₉CHO?

a) Methanal
$$H \longrightarrow C \longrightarrow H$$

Ketones

27. What is the name of the compound with the formula CH₃COCH₃?

- a) Hexanone $H_3C \beta_2 \beta_2 \beta_2 C CH_3$
- b) Propanone (Correct) H₃C—CH₃
- c) Butanone H_3C —C— CH_3
- d) Pentanone $H_3C G G G CH_3$

28. What is the name of the compound with the formula C_4H_8O ?

- a) Propanone H₃C—C—CH₃
- b) Butanone (Correct) H₃C C CH₃
- c) Pentanone $H_3C \underbrace{F_2 F_2}_{I_2} \underbrace{K}_2 \underbrace{K}_2 \underbrace{K}_3$
- d) Hexanone $H_3C G_3 G_4 G_5 G_5 G_6$

29. What is the name of the compound with the formula $C_5H_{10}O$?

- a) Propanone H₃C—C—CH₃
- b) Butanone $H_3C C CH_3$
- d) Hexanone H₃C G G CH₃

Carboxylic Acids

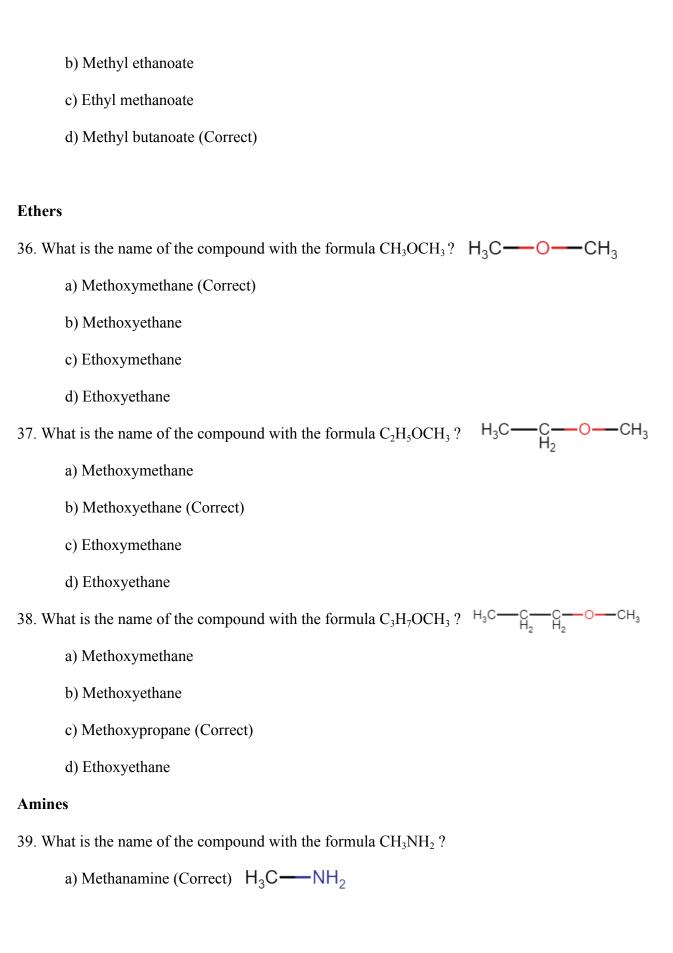
30. What is the name of the compound with the formula CH₃COOH?

- a) Methanoic acid H—C—OH
- b) Ethanoic acid (Correct) H₃C OH
- c) Propanoic acid H,C—C—OH
- d) Butanoic acid H₃C-\begin{pmatrix} \begin{pmatrix} \begin{

- 31. What is the name of the compound with the formula C_2H_5COOH ?
 - a) Methanoic acid H—C—OH
 - b) Ethanoic acid H_3C —C—OH
 - c) Propanoic acid (Correct) H₃C—G—OH
 - d) Butanoic acid H₃C—G₂—G₂—OH
- 32. What is the name of the compound with the formula C_3H_7COOH ?
 - a) Methanoic acid $H \longrightarrow C \longrightarrow C \longrightarrow C$
 - b) Ethanoic acid H₃C OH
 - c) Propanoic acid H₃C—G₂—OH
 - d) Butanoic acid (Correct) H₃C H₃ H₃ OH

Esters

- 33. What is the name of the compound with the formula CH_3COOCH_3 ? $H_3C C CH_3$
 - a) Methyl methanoate
 - b) Methyl ethanoate (Correct)
 - c) Ethyl methanoate
 - d) Ethyl ethanoate
- - a) Methyl methanoate
 - b) Methyl ethanoate
 - c) Ethyl methanoate
 - d) Methyl propanoate (Correct)
- - a) Methyl methanoate



b) Ethanamine
$$H_3C - C_{H_2} - NH_2$$

c) Propanamine
$$H_3C - C - C - NH_2$$

d) Butanamine
$$H_3C - C - C - C - NH_2$$

40. What is the name of the compound with the formula $C_2H_5NH_2$?

b) Ethanamine (Correct)
$$H_3C - C - NH_2$$

c) Propanamine
$$H_3C - C - C - NH_2$$

d) Butanamine
$$H_3C - C - C - C - NH_2$$

41. What is the name of the compound with the formula $C_3H_7NH_2$?

b) Ethanamine
$$H_3C - C - NH_2$$

c) Propanamine (Correct)
$$H_3C - C - C - NH_2$$

d) Butanamine
$$H_3C - C - C - C - NH_2$$

Aromatic and Delocalized Compounds

42. Which of the following compounds is aromatic and delocalized?

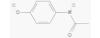
c) Propane
$$H_3C \longrightarrow CH_2 \longrightarrow CH_3$$

d) Butane
$$H_3C$$
— C — C — C — CH_3

43. Which compound is known for its aromatic and delocalized structure?

c) Propene
$$H_3C$$
— C = CH_2

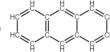
- **44.** Identify the aromatic and delocalized compound:
 - a) Acetaminophen (Correct)



- b) Methanol H₃C—OH
- c) Ethane $H_3C \xrightarrow{H_2} CH_3$
- **45.** Which of these compounds exhibits aromaticity and delocalization?
 - a) Ibuprofen (Correct)
 - b) Propanol H_3C —C—C—C—C—OH
 - c) Butene H_3C —C—C—C—C—C—C
 - d) Cyclo Hexane
- **46.** Which compound is an example of an aromatic and delocalized molecule?
 - a) Trinitrotoluene (TNT) (Correct) O_2N NO_2 b) Propane H_3C CH_3 NO_2

- **47.** Name the aromatic and delocalized compound:
 - a) Epoxy resin (Correct)
 - b) Methane CH₄

- **48.** Which of the following is aromatic and delocalized?
 - a) Anthracene (Correct)



- b) Butane H_3C —G—G—G— CH_3
- c) Propanol $H_3C C C OH$

d) Cyclobutane
$$H_2C \longrightarrow CH_2$$

 $H_2C \longrightarrow CH_2$

- **49.** Identify the aromatic and delocalized compound:
 - a) Phenanthrene (Correct)
 - b) Methanol
 - c) Ethane
 - d) Cyclohexane Hack CH2
- **50.** Which compound exhibits aromaticity and delocalization?

 - a) Styrene (Correct)
 b) Propane H_3C —C— CH_3 HC CH HC CH CH

 - c) Butene $H_2C = C C CH_3$
- **51.** Which of these is aromatic and delocalized?
 - a) Naphthalene (Correct)

- b) Methane CH₄
- d) Cyclopentane
- 52. Which of these structures are aromatic and delocalized?
- a) Benzene (Correct)

- b) Ethanoic acid
- c) Cyclohexane
- d) Cyclohexene
- 53. Identify the aromatic and delocalized compound:
- a) Cyclobutane

d) Acetophenone (Correct)

54. Which of these structures are aromatic and delocalized?

d) Ethanol
$$H_3C$$
— G — OH

Hydrocarbons

55. 70Which of the following compounds is a hydrocarbon?

a) Methane CH₄(Correct)

56. Identify the hydrocarbon:

57. Which compound is a hydrocarbon?

a) Propane (Correct)
$$\cdot H_3C - C - CH_3$$

b) Propanol
$$H_3C$$
— C — C — C — C —OH

- d) Acetic acid
- **58.** Which of these compounds is a hydrocarbon?
 - a) Butane (Correct) $H_3C C C CH_3$
 - b) Butanol $H_3C C C C OH$
 - c) Acetone H₃C—CH₃
 - d) Butanoic acid H₃C—_{\$\beta_2\$—\$\beta_2\$—\$\beta_3\$—OH}
- **59.** Name the hydrocarbon:
 - a) Pentane (Correct) H_3C —C—C—C—C— CH_3 H_3C —C—C—C—C—C—C—C—C—C D H_2 H_2 H_2 H_2 H_2 H_2 H_3 $H_$

 - c) Acetaldehyde HaC CH
- **60.** Which of the following compounds is a hydrocarbon?
 - a) Hexane (Correct) H₃C F₁C F₂C
 - b)
 - c) Acetone H₃C C CH₃
 - d) Hexanoic acid H₃C—C—C—C—C—OH
- **61.** Identify the hydrocarbon:

 - c) Acetaldehyde H₃C—CH
- **62.** Which compound is a hydrocarbon?

 - a) Octane (Correct) H_3C $^{-C}$ $^{-C}$

- c) Acetone
- d) Octanoic acid $\frac{1}{1}$ $\frac{1}$ $\frac{1}{1}$ $\frac{1}{1}$ $\frac{1}{1}$ $\frac{1}{1}$ $\frac{1}{1}$ $\frac{1}{1}$
- **63.** Which of these compounds is a hydrocarbon?

 - c) Acetaldehyde H₂C CH
 d) Nonanoic acid H₂C CH
 L₂C H₂C H₂C CH
 L₂C CH
 L₂
- **64.** Name the hydrocarbon:

 - c) Acetone H₃C CH₃
 - d) Decanoic acid H_3C H_2 H_3 H_4 H_5 H_5
- 65. Which of these structures is Alkene?
- a) Ethylene (Correct) H₂C=CH₂
- b) Bromoethane $H_3C \longrightarrow C \longrightarrow Br$
- c) Ethanethiol
- d) Ethanol
- 66. Identify the Alkyl Halide:
- a) Bromoethane (Correct) $H_3C C Br$
- b) Ethanol H₂C—CH₃
- c) Ethylene
- d) Ethanethiol
- 67. Which of these structures is alcohol?
- a) Ethanethiol

- b) Ethanol (Correct)
- $H_2C = CH_2$ c) Ethylene
- d) Bromoethane $H_3C C Br$
- 68. Name the hydrocarbon:
- a) Ethanol $\stackrel{\frown}{\underset{H_2C\longrightarrow CH_3}{\longleftarrow}}$
- b) Propene (Correct) $H_3C C = CH_2$
- c) Bromoethane $H_3C C Br$
- d) Ethanethiol
- 69. Which of these structures are hydrocarbons?
- a) Ethanol H₂C—CH₃
- b) Butyne (Correct) $HC = C C_{H_2} CH_3$
- c) Ethanethiol
- d) Bromoethane $H_3C \longrightarrow C \longrightarrow Br$
- 70. Identify the Alkyl Halide:
- a) Ethanol H₂C—CH₃
- b) Chloroethane $H_3C C C C$
- c) Ethylene (Correct) $H_2C = CH_2$
- d) Ethanethiol
- 71. Which of these structures are hydrocarbons?
- a) Bromoethane H₃C—C—Br b) Ethanol H₂C—CH₃
- c) Pentane (Correct) $H_3C C C C C CH_3$
- d) Ethanethiol

72. Name the hydrocarbon:
a) Butanol

- b) Octane (Correct)
- c) Ethanal
- d) Bromoethane
- 73. Which of these structures are hydrocarbons?
- a) Iso-pentane (Correct)
- b) Pentanol
- c) Hexanoic Acid
- d) Bromo Pentane
- 74. Identify the Aldehyde:
- a) Ethanal (Correct)

c) Bromoethane
$$H_3C - C - Br$$

d) Ethylene
$$H_2C = CH_2$$

- 75. Which of these structures are ketone?
- a) Ethanethiol
- b) Ethanol
- c) Acetone (Correct)
- d) Bromoethane

76. Name the Compound:
$$H_{2}C$$
— CH_{3}

- a) Ethanol (Correct)
- b) Ethylene

- c) Bromoethane
- d) Ethanethiol
- 77. Which of these structures are hydrocarbons?
- a) cyclohexane (Correct)
- b) Bromoethane
- c) Ethanethiol
- d) Ethanol
- 78. Identify the hydrocarbon:
- a) Ethanol
- b) Benzene (Correct)
- c) Ethanethiol
- d) Bromoethane
- 79. Which of these structures are hydrocarbons?
- a) Bromoethane $H_3C C Br$ b) Ethanol $H_2C CH_3$
- c) Ethylene (Correct) $H_2C = CH_2$
- d) Ethanethiol $H_3C C SH$
- 80. Which compound is a hydrocarbon?
- a) Methyl chloride H₃C—Cl
- b) Propyne (Correct) $HC \equiv C CH_3$
- d) Isopropyl alcohol $H_3C CH_3$
- 81. Identify the hydrocarbon:

$$\mathsf{H_3C} \begin{array}{cccc} & \mathsf{C} \\ & \mathsf{H_2} \end{array} \begin{array}{cccc} & \mathsf{C} \\ & \mathsf{H_2} \end{array} \begin{array}{cccc} & \mathsf{NH_2} \end{array}$$

- a) Butylamine
- b) Butane (Correct) $H_3C C C C CH_3$
- c) Butanoic acid $H_3C \frac{1}{H_2} \frac{1}{H_2} \frac{1}{H_2} \frac{1}{H_2}$
- d) Butyl chloride $\begin{bmatrix} 1 \\ 1 \end{bmatrix}$
- 82. Which of these structures are hydrocarbons?
- a) Ethylene oxide $H_2C \longrightarrow CH_2$
- b) Propene (Correct) H_3C —C= CH_2
- c) Ethylamine $H_3C \longrightarrow C \longrightarrow NH_2$
- d) Propanoic acid H₃C—G—OH
- 83. Name the hydrocarbon:
- a) Methyl alcohol H₃C—OH
- b) Ethylene (Correct) $H_2C = CH_2$
- c) Ethyl chloride $H_3C C CI$
- d) Ethanol H,C—CH
- 84. Which of these structures are hydrocarbons?
- a) Isopropyl alcohol H₃C CH₃
- b) Ethyne (Correct) HC = CH
- c) Acetone H₃C C CH₃
- d) Ethyl acetate H_3C —C—C— CH_3
- 85. Which of these structures are aromatic and delocalized?
- a) Nitrobenzene (Correct) b) Benzyl alcohol
- c) Acetone H₃C_C

- d) Ethylamine $H_3C \longrightarrow G \longrightarrow NH_2$
- 86. Which compound belongs to the alkane group?
- $H_2C = CH_2$ a) Ethylene
- b) Propane (Correct) $\cdot H_3C C CH_3$
- c) Benzene
- d) Acetylene HC = CH
- 87. Identify the alkene in the options:
- a) Butane $H_3C C C CH_3$
- b) Ethene (Correct) CH2
 c) Toluene
- c) Toluene
- d) Benzene
- 88. Which structure represents an alkane?
- a) Propene $H_3C \longrightarrow C \longrightarrow CH_2$
- b) Octane (Correct) $H_3 \stackrel{H_2}{\smile} \bigvee_{H_1}^{H_2} \bigvee_{H_2}^{H_2} \bigvee_{H_3}^{H_2} \bigvee_{H_3}^{H_2} \bigvee_{H_3}^{CH_3} \bigvee_{H$
- c) Ethyne HC = CH
- d) Benzene
- 89. Name the alkene:
- a) Butene (Correct) $H_3C C C = CH_2$
- b) Pentane H_3C —C—C—C—C—C—C— CH_3
- c) Hexane $H_{3C} \stackrel{H_{2}}{\smile} H_{4} \stackrel{H_{2}}{\smile} H_{2} \stackrel{CH_{3}}{\smile}$
- d) Benzene
- 90. Which compound is an alkane?
- a) Ethylene $H_2C = CH_2$

$$H_3C$$
— C — C — C — CH_3

- b) Butane (Correct)
- c) Toluene
- d) Phenol
- 91. Identify the alkene:
- a) Methane CH₄
- b) Ethylene (Correct) H₂C=CH₂
- c) Benzene
- d) Propane $\cdot H_3C C CH_3$
- 92. Which of these is an alkane?
- a) Propyne $HC \equiv C CH_3$

- d) Benzene
- a) Propene
- b) 1-Butene (Correct)
- c) 2-Butene
- d) Ethene
- 94. Identify the alkane in the options:
- a) Ethylene $H_2C = CH_2$
- b) Pentane (Correct) H_3C —C—C—C—C—C—C
- c) Ethyne HC == CH
- d) Toluene

- 95. Which compound is an alkene?
- a) Octane $H_{3} \subset \bigoplus_{H_{2}} H_{2} + H_{2} + H_{2} + H_{3} \subset H_{3}$
- b) Propene (Correct) H_3C —C= CH_2
- c) Benzene
- d) Butanol H_3C —C—C—C—C—C—C—C
- 96. Which of these is an alkane?
- a) Ethene H₂C=CH₂
- b) Butane (Correct) $H_3C C C C CH_3$
- c) Benzene
- d) Acetylene HC = CH
- 97. Identify the alkene:
- a) Methane
- b) Ethylene (Correct) $H_2C = CH_2$
- c) Toluene
- d) Propanol $H_3C C C C OH$
- 98. Identify the alkane in the options:
- a) Ethyne HC = CH
- b) Hexane (Correct) $\underset{H_3C}{\overset{H_2}{\smile}} \overset{H_2}{\overset{H_2}{\smile}} \overset{H_2}{\overset{C}{\smile}} \overset{C}{\overset{C}{\smile}} \overset{C}{\overset{C}{\overset{C}{\smile}}} \overset{C}{\overset{C}{\overset{C}{\overset{C}{\smile}}} \overset{C}{\overset{C}{\overset{C}{\overset{C}{\smile}}}} \overset{C}{\overset{C}{\overset{C}{\overset{C}{\smile}}}} \overset{C}{\overset{C}{\overset{C}{\overset{C}{\smile}}}} \overset{C}{\overset{C}{\overset{$
- c) Benzene
- d) Butene H_3C —C—C—C—C
- 99. Which compound is an alkene?
- b) Propene (Correct) $H_3C C = CH_2$

- c) Benzene
- d) Ethanol
- 100. Which of these is an alkane?
- a) Butene $H_3C C C = CH_2$
- b) Octane (Correct) $H_3 \stackrel{H_2}{\smile} \stackrel{H_2}{\smile} \stackrel{H_2}{\smile} \stackrel{H_2}{\smile} \stackrel{H_3}{\smile} \stackrel{H_3}{\smile}$
- $H_2C = CH_2$ c) Ethylene
- d) Toluene
- 101. Name the alkene:
- a) Propane $\cdot H_3C C CH_3$
- b) Butene (Correct) $H_3C C C C = CH_2$
- c) Benzene d) Ethanol H₂C CH₃
- 102. Identify the alkane in the options:
- a) Ethyne HC = CH
- b) Decane (Correct)
- c) Benzene
- d) Propene H_3C —C—CH
- 103. Which compound is an alkene?
- a) Hexane $H_{3}C \stackrel{H_{2}}{\sim} C \stackrel{H_{2}}{\sim} C \stackrel{H_{2}}{\sim} C \stackrel{C}{\sim} C$
- b) Butene (Correct) $H_3C C C = CH_2$ c) Toluene

- d) Methanol H_3C —OH
- 104. Which of these is an alkane?

$$H_2C$$
 $=$ CH_2

- a) Ethene
- c) Benzene
- d) Butanol H_3C —C—C—C—C—C—C
- 105. Name the alkene:
- a) Methane CH₄
- b) Ethylene (Correct) $H_2C = CH_2$

- 106. Which of these structures are aromatic and delocalized?
- a) Ethylene
- b) Propanol
- d) Benzene (Correct)
- 107. Identify the aromatic compound:
- a) Toluene (Correct)

 b) Ethyl acetate H₃C C C CH₃
- c) Ethanol H_2C — CH_3
- d) Propanol H_3C —C—C—C—C—C
- 108. Which of these structures are aromatic and delocalized?

a) Aniline (Correct)
b) Ethanol
$$H_{2}C \longrightarrow CH_{3}$$

c) Butanoic acid $H_3C - G_2 - G_2 - G_3 - G_4$

- d) Ethyne
- Which of these structures are aromatic and delocalized?
- a) Butanoic acid

- d) Propanol H_3C —C—C—C—C—C—C
- 110. Identify the aromatic compound:
- a) Ethanol H_2C — CH_3
- b) Ethyne

- c) Benzene (Correct)
- d) Butanol H_3C —C—C—C—C—C—C—C—C
- 111. Which of these structures are aromatic and delocalized?

- c) Butane $H_3C C C CH_3$
- d) Ethanol
- 112. Which of these structures are aromatic and delocalized?
- a) Butane

$$H_3C$$
— C — C — C — CH_3

b) Phenol (Correct)

c) Butanoic acid
$$H_3C - \frac{1}{\beta_2} - \frac{1}{\beta_2} = -OH$$

- d) Ethyne HC ≡ CH
- Identify the aromatic compound: 113.
- a) Ethyne HC = CH



- b) Benzene (Correct)
- c) Ethanol H₂C—CH
- d) Propanol $H_3C C C C OH$
- 114. What is the atom economy of Kevlar?
 - a) 70 %
 - b) 77% (Correct)
 - c) 100%
 - d) 60 %
- 115. What is the atom economy of Nylon 6?
- a) 0 %
- b) 50 %
- c) 90%
- d) 100 % (Correct)
- 116. What is the atom economy of the modern green synthesis of ibuprofen?
- a) 0 %
- b) 50 %
- c) 90%
- d) 100 % (Correct)
- 117. What is the atom economy of the old industrial synthesis of Ibuprofen?
- a) 20 %
- b) 40 % (Correct)
- c) 50%
- d) 60 %
- 118. What is the atom economy of the modern green synthesis of Aspirin?
- a) 0 %
- b) 50 %
- c) 90%
- d) 100 % (Correct)
- 119. What ingredient does the old synthesis of Aspirin include?
- a) Willow Bark (Correct)
- b) Oats
- c) Gold
- d) Palm Tree Bark