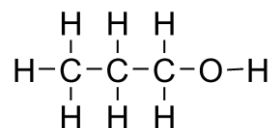


NAMING ORGANIC COMPOUNDS – TEST 1

Questions 1 & 2 refer to the following diagram:



QUESTION 1

The name of the molecule is

- A propanol
- B 1-propanol
- C ethanol
- D propanoic acid

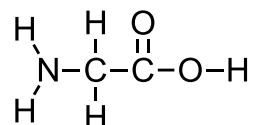
QUESTION 2

The name of the functional group and homologous series that the molecule belongs to respectively are:

- A hydroxyl and hydroxy
- B hydroxyl and alkanol
- C alkanol and hydroxyl
- D carboxyl and alcohol

QUESTION 3

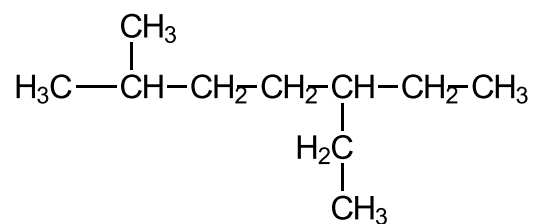
The systematic name for the following molecule is



- A glycine
- B 2-amino-ethanoic acid
- C 2-carboxylethanamine
- D ethanamide

QUESTION 4

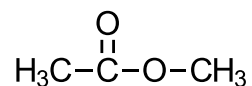
The name of the following molecule is



- A 2-methyl-5-ethyl heptane
- B 3-ethyl-6-methyl heptane
- C dodecane
- D 3,3 diethyl-4-methyl pentane

QUESTION 5

The name of the following molecule is



- A methyl methanoate
- B propanoic acid
- C ethyl methanoate
- D methyl ethanoate

QUESTION 6

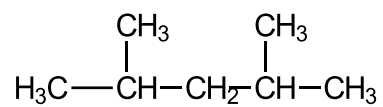
$\text{CH}_3\text{CH}_2\text{OCH}_3$ is

- A an ester
- B a carboxylic acid
- C an alcohol
- D none of the above

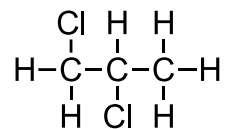
QUESTION 7

Give systematic names for the following molecules

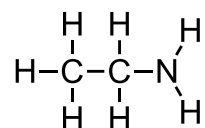
(a)



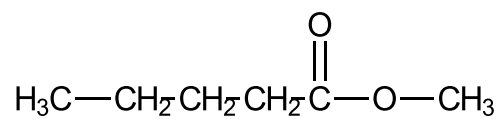
(b)



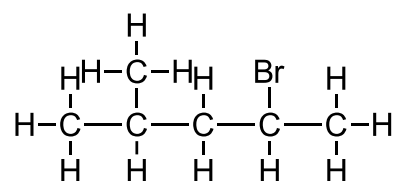
(c)



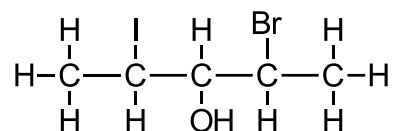
(d)



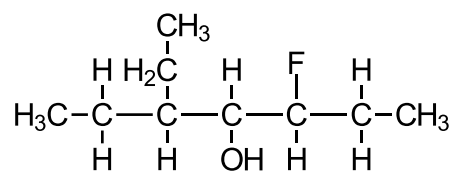
(e)



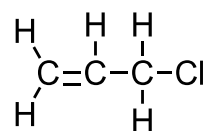
(f)



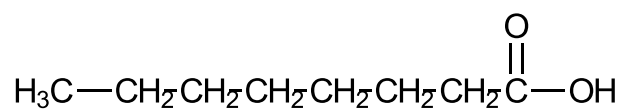
(g)



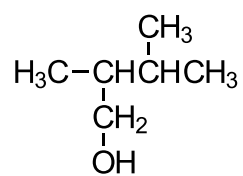
(h)



(i)



(j)



SOLUTIONS

QUESTION 1 Answer is B

QUESTION 2 Answer is C

QUESTION 3 Answer is B

QUESTION 4 Answer is A

QUESTION 5 Answer is D

QUESTION 6 Answer is D

QUESTION 7

- (a) 2,4-dimethylpentane
- (b) 1,2-dichloropropane
- (c) ethylamine
- (d) methyl pentanoate
- (e) 2-Bromo-4-methylpentane
- (f) 2-Bromo-4-iodo-3-pentanol
- (g) 3-Ethyl-5-fluoro-4-heptanol
- (h) 3-Chloro-1-propene
- (i) Octanoic acid
- (j) 2,3-Dimethylbutanol