

- a. less carbon
- b. less hydrogen
- c. more carbon
- d. more hydrogen

Answer: b

- 2. The rate of reaction of organic compounds is slow due to
- a. ionic bonding
- b. amphoteric nature
- c. covalent bonding
- d. coordinate covalent bonding

Answer: c

- 3. In naming alkane the stem tells about the number of
- a. hydrogen atoms
- b. oxygen atoms
- c. carbon atoms
- d. bonds

Answer: c

- 4. The self-linking ability of carbon is called
- a. catenation
- b. sublimation
- c. hydrogenation
- d. carbonation

Answer: a

- 5. Almost 95% of compounds are of carbon because they can form
- a. single bonds
- b. double bonds



c. triple bonds
d. multiple bonds
Answer: d
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6. Propane (C3H8) and butane (C4H10) in liquid form are used in
a. oxygen cylinders
b. Liquid Petroleum Gas (LPG)
c. Compressed Natural Gas (CNG)
d. nitrogen cylinders
Answer: b
7. Formic acid is also called
a. Methanoic acid
b. ethanoic acid
c. carboxylic acid
d. acetone
Answer: a
8. How many isomers are contained by Hexane?
a. two b. three
c. four
d. five

9. Natural gas mostly consists of

a. ethane

Answer: d

- b. butane
- c. methane
- d. pentane

Answer: c



10. What is the term used for a formula that uses established abbreviations for various groups of a chain?
a. molecular formula b. structural formula c. condensed formula d. empirical formula
Answer: c
11. Ethers are formed by the attachment of
a. two alkyl groups to same oxygen atomb. two alkyl group to different oxygen atomsc. three alkyl groups to one oxygen atomd. four alkyl groups to one oxygen atom
Answer: a
12. Compounds in which one hydrogen atom of an alkane is substituted by one halogen atom are called
a. halo alkanesb. phenolsc. ethersd. alcohols
Answer: a
13. Methyl has the molecular formula
a. CH4 b. CH3 c. CH d. CH2
Answer: b



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14. Process in which coal is heated in the absence of air at high temperature and converted into coal gas, coal tar, and coke is called
a. destructive distillationb. distillationc. burning of coald. burning of oxygen
Answer: a
15. Which of the following is a group of atoms obtained by removing one hydrogen atom from an alkane?
a. alkene b. alkyne c. functional group d. alkyl radical
Answer: d
16. Which of the following has two hydrocarbon groups bonded to the carbonyl carbon atom?
a. aldehydes b. ketones c. carboxylic acids d. ethers
Answer: b
17. Butane (alkane) has
a. 3 carbon atomsb. 5 carbon atomsc. 4 carbon atomsd. 2 carbon atoms
Answer: c

18. An alkane with molecular formula C10H22 is called



a. butane b. octane c. Nonane d. Decane
Answer: d
19. Which of the following are characterized by the presence of the hydroxyl group attached to a hydrocarbon chain?
a. halo alkanesb. phenolsc. ethersd. alcohols
Answer: d
20. The general formula for carboxylic acids is
a. R-OH b. R-O-R c. R-COOH d. R-NH2
Answer: c