

CBSE Class 11 Science Worksheet

1. Identify the one which on reaction with carboxylic acid at high temperatures give ester

A)

Ketone

B)

Aldehyde

C)

Alcohol

D)

Sugar

2. In which among the following alkane, a carbon atom is displaced so as to form a compactly structure with the resemblance of a butterfly wing

A)

Cyclopropane

B)

Cyclobutane

C)

Cyclopentane

D)

Cyclohexane

3. Which is the fundamental particle of an atom?

A)

Electron

B)

Neutron

C)

Proton

D)

All of these

4. How many Sigma or pi bonds are there in oxygen molecule?

A)

1sigma 1pi bond

B)

2pi bond

C)

2sigma bond

D)

None of these

5. Alcohol on refluxing with Cr_2O_7 give

A)

Ester

B)

Aldehyde

C)

Sugar

D)

Carboxylic acid

6. Which of the following is an elimination reaction

A)

Chlorination of ethane

B)

Hydration of ethene

C)

Conversion of but-1-ene into but-2-ene

D)

Dehydration of ethanol

7. Why are aryl halides less reactive towards nucleophilic substitution reaction as compared to alkyl halides?

A)

The formation of a less stable carboanion

B)

Longer carbon halogen bond

C)

The inductive effect

D)

Sp² hybridized carbon attached to the halogen

8. Pi bond is more stronger than Sigma bond.

A) True

B) False

9. Identify the smallest alkane which can form a ring structure (cycloalkane)

A)

Cyclomethane

B)

Methane

C)

Cyclopropane

D)

Propane

10. 1-chloropropane on treatment with alc. KOH produces

A)

Propane

B)

Propene

C)

Propyne

D)

Propyl alcohol

11.

Identify the which does not comes under the organic addition reaction

A)

Hydration

B)

Halogenation

C)

Dehydration

D)

Hydrohalogenation

12.

Sndndhduudhdndj

A)

Kndh

B)

Jssh

C)

Nzxnd

D)

Nznzn

13. Which of the following compound CANNOT be prepared by Wurtz reaction

A)

Methane

B)

Ethane

C)

Propane

D)

Butane

14. What will be the reactivity of chlorobenzene in electrophile substitution reaction with benzene

A)

React very slowly than benzene

B)

React in the same way as benzene

C)

React faster than Benzene

D)

Does not react with benzene

15.

In isoalkanes , one of the carbon atom is attached to Other carbon atom.

A)

One

B)

Two

C)

Three

D)

Four

16.

Structure of $\text{Ni}(\text{CO})_4$

A)

Square planar

B)

Butterfly

C)

Tetrahedral

D)

Molecule does not exist

17. HYBRIDIZATION OF H₂SO₄ IS

A)

SP₂

B)

SP₃

C)

SP₃D

D)

SP₃D₂

18. Which is not Retentate?

A)

Proteins

B)

Polysaccharides

C)

Phosphates

D)

Lipids

19. Electronic configuration and chemical properties are dependent on one another in atom

A) True

B) False

20. Atomic number of an element is defined as

A)

Number of neutrons present in nucleus

B)

Number of protons and number of neutrons present in nucleus

C)

Number of protons and number of electrons

D)

Number of protons present in the nucleus

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Answers

1. Option C
2. Option B
3. Option D
4. Option A
5. Option D
6. Option D
7. Option D
8. Option B
9. Option C
10. Option B
11. Option C
12. Option B
13. Option A
14. Option A
15. Option C
16. Option C
17. Option B
18. Option C
19. Option A

Solution:

Yes dependent on one another.

20. Option D

Solution:

Atomic number of an element is defined as the number of protons present in the nucleus.

