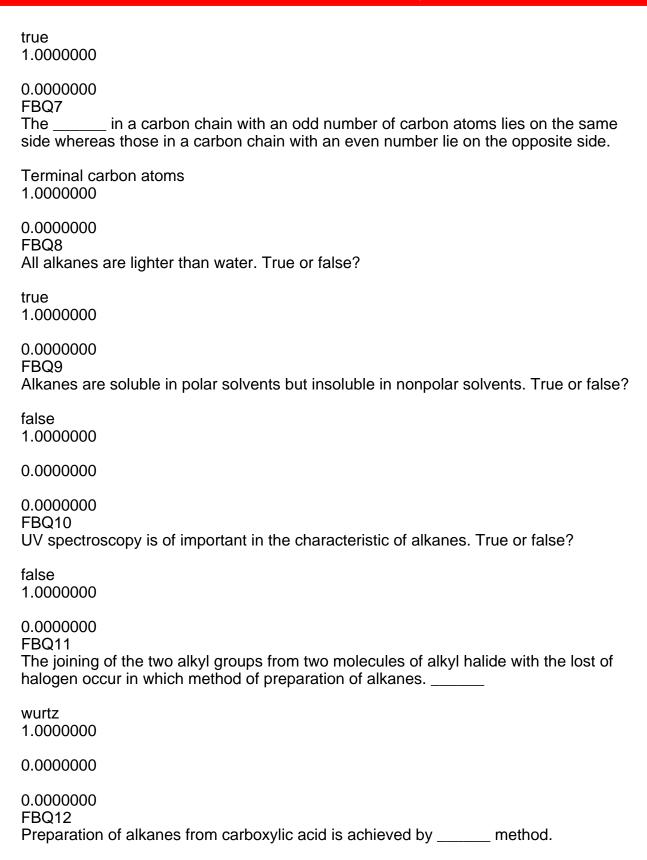
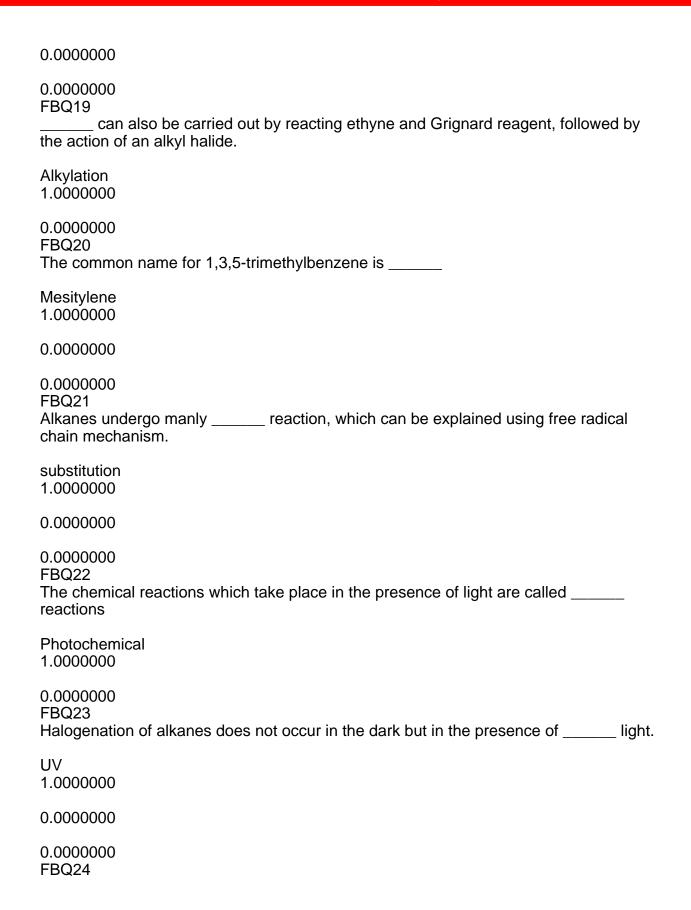
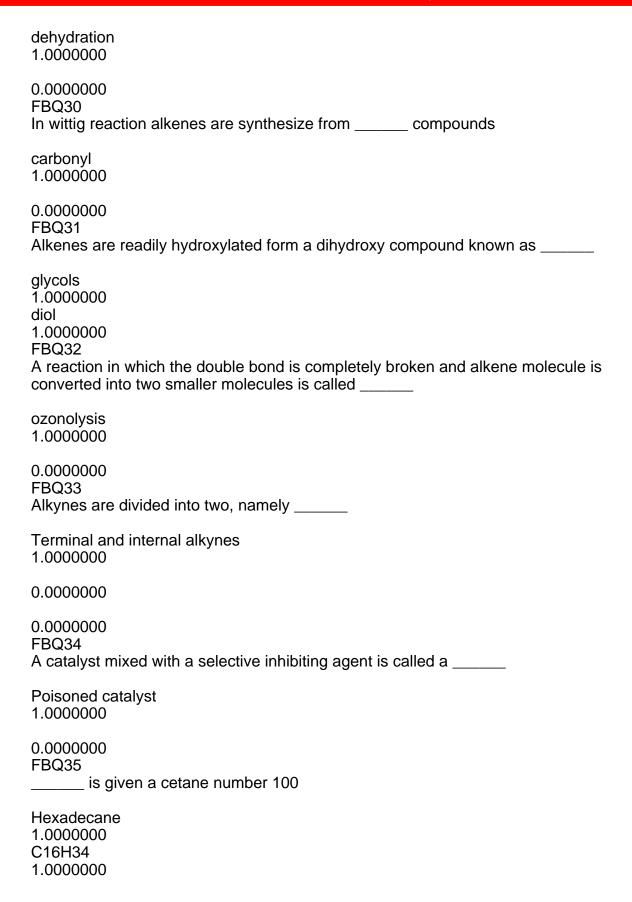
CHM102 The default category for questions shared in context 'CHM102'. Fill in the Blank (FBQs) FBQ1 The use of as octane number enhancer is being curtailed for environmental reasons.
Tetraethyl lead 1.0000000
0.000000
0.0000000 FBQ2 In, fuel having a lower octane number is much more useful than those having a higher octane number.
diesel engine 1.0000000
0.0000000 FBQ3 Quality of diesel fuel is expressed in terms of a parameter called
Cetane number 1.0000000
0.0000000 FBQ4 Good quality diesel fuel required for modern diesel engine has cetane number greater than
45 1.0000000 Forty five 1.0000000
0.0000000 FBQ5 Boiling point of a covalent substance depends upon the forces.
intermolecular 1.0000000
0.0000000 FBQ6 It has been found that molecules with odd number of carbon atoms have lower melting point than those with an even number of carbon atoms. True or false?

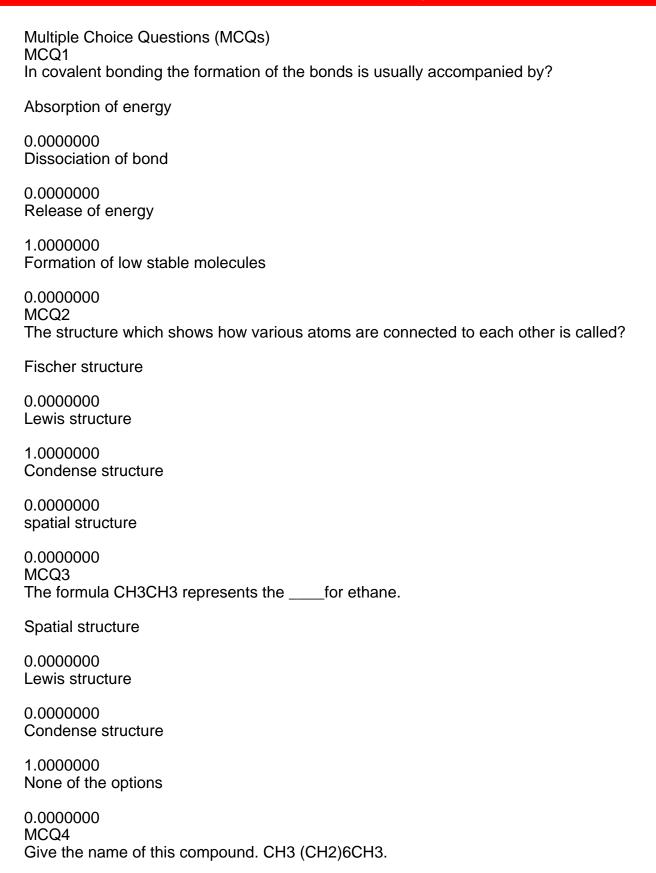


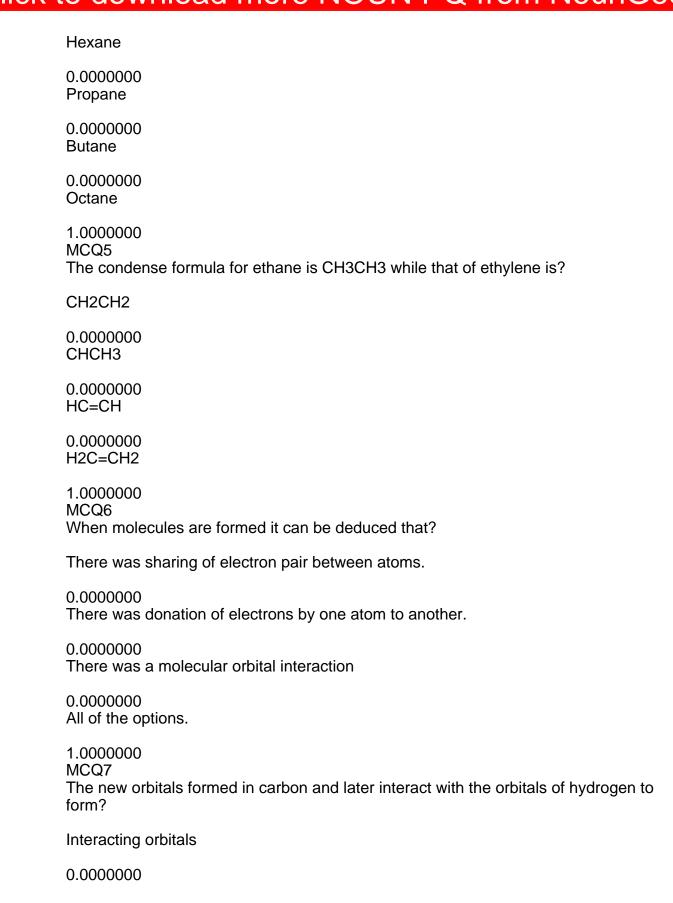
Kolbe's electrolytic 1.0000000
0.0000000 FBQ13 Alkanes or cycloalkanes can be prepared by of unsaturated hydrocarbons using platinum and palladium as a catalyst.
hydrogenation 1.0000000
0.0000000 FBQ14 In Sabatier senderen's reaction method, the hydrogenation of alkanes takes place in the presence of catalyst.
Nickel 1.0000000 Ni 1.0000000 FBQ15 Alkyl magnesium halide is also called
Grignard reagent 1.0000000
0.0000000 FBQ16 In decarboxylation of carboxylic acid, the alkanes produced contain one carbon atom less than the original acid. True or false.
true 1.0000000
0.0000000 FBQ17 Cyclopentanone is prepared from which salt
barium adipate 1.0000000
0.0000000 FBQ18 When an alkene reacts with borane, addition to the carbon-carbon double bond takes place to yield an
organoborane 1.0000000

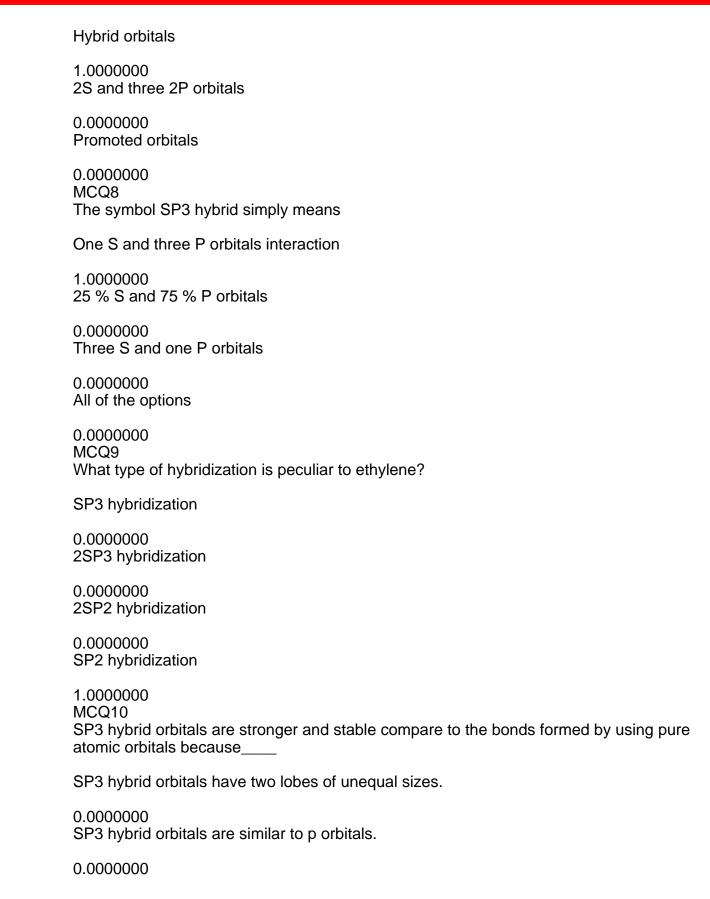


In the chain initiation step of halogenation of alkanes, the halogen molecule undergoes forming free radicals
homolysis 1.0000000
0.0000000 FBQ25 In the second step of halogenation of alkanes, the halogen molecule abstract a hydrogen atom from the alkane molecule thereby producing an
alkyl radical 1.0000000
0.0000000 FBQ26 Alkenes can be classified on the basis of the number of present in the molecules
double bonds 1.0000000
0.0000000
0.0000000 FBQ27 Hydrocarbons containing two double bonds are called
diolefins 1.0000000 Alkadienes 1.0000000 Dienes 1.0000000 FBQ28 In the allene molecule the central carbon atom is sp hybridized while the terminal carbon atom is
sp2 hybridized 1.0000000
0.0000000
0.0000000 FBQ29 An alcohol is converted to alkene by









The lobes in SP3 hybrid orbitals are separated by anode.

0.0000000

In SP3 hybrid orbital, the electron density is concentrated in one direction leading to greater overlap.

1.0000000

MCQ11

What is the bond angle between two SP3 hybrid orbitals?

47.5o

0.0000000

18.5_o

0.0000000

109.50

1.0000000

107o

0.0000000

MCQ12

What is the name of the bond formed between carbon and hydrogen (C-H)?

C-H Bond

0.0000000

a(alpha)bond

0.0000000

Sigma bond

1.0000000

p(pi) bond

0.0000000

MCQ13

What is the measure of the length of C-C bond?

164 pm

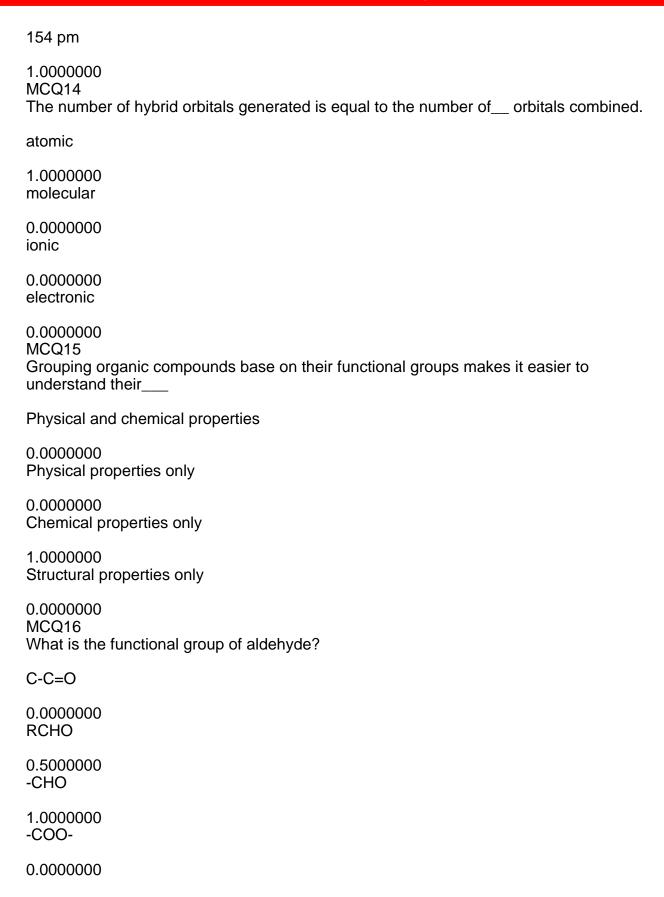
0.0000000

164 cm

0.0000000

154 cm

0.0000000

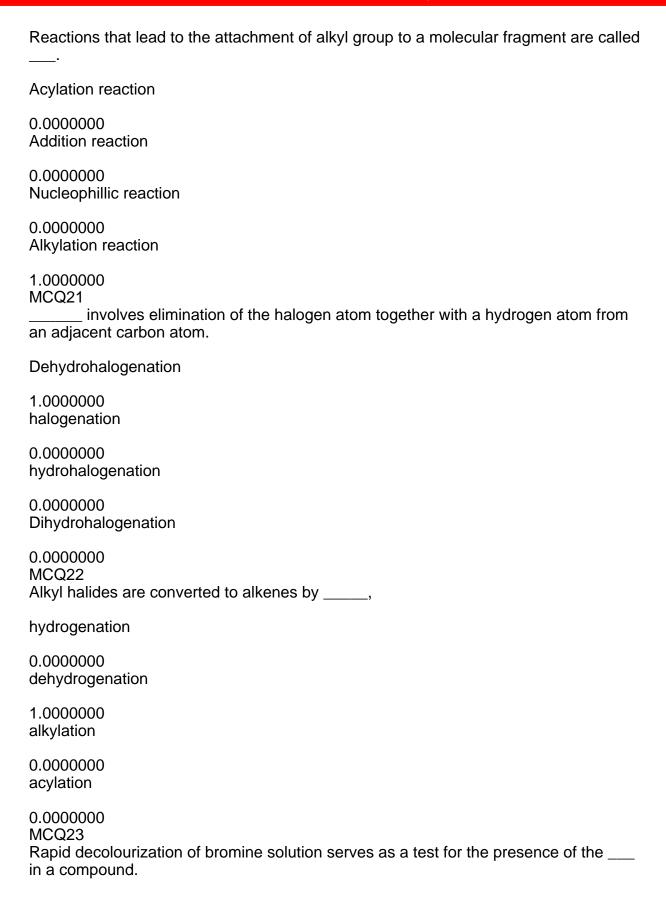


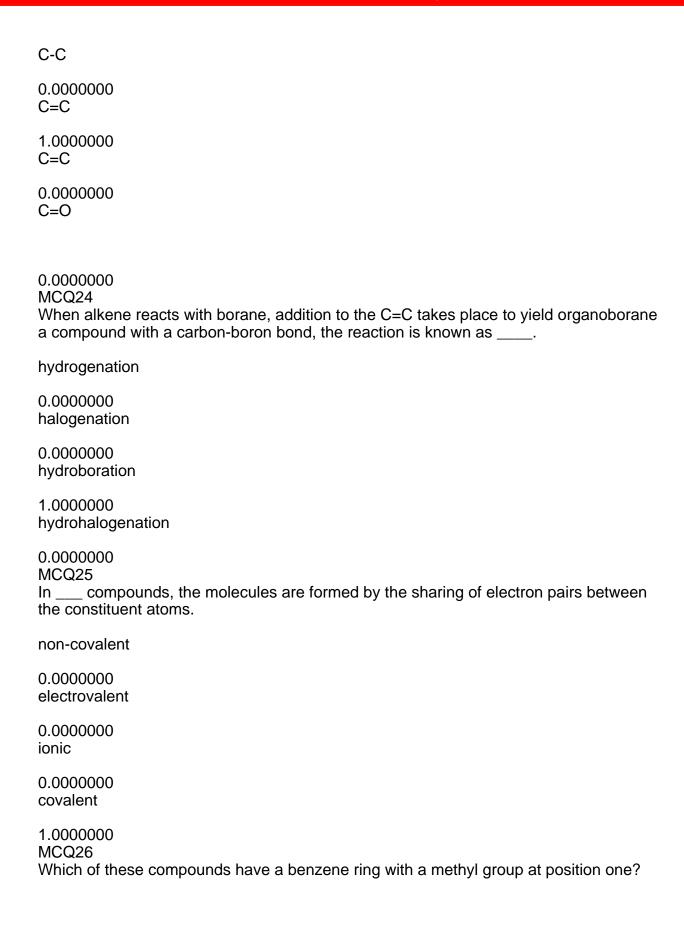
MCQ17 A functional group can be defined as? An atom in a molecule which exhibit a characteristic chemical properties 0.0000000 A group of atoms in a molecule which exhibit a characteristic chemical properties 0.0000000 An atom or group of atoms in a molecule which exhibit a characteristic physical properties 0.0000000 An atom or group of atoms in a molecule which exhibit a characteristic chemical properties 1.0000000 MCQ18 The hydrocarbons are broadly classified into____ Saturated, unsaturated and aromatic 0.0000000 Alicyclic, heterocyclic and aromatic 0.0000000 Alkane, alkene and alkyne 0.0000000 Aliphatic, alicyclic and aromatic 1.0000000 MCQ19 _ reaction, a conjugated diene is treated with an unsaturated compound called dienophile to yield a cyclic system. Diels-Alder reaction 1.0000000 Wittig reaction 0.0000000 Wurtz reaction

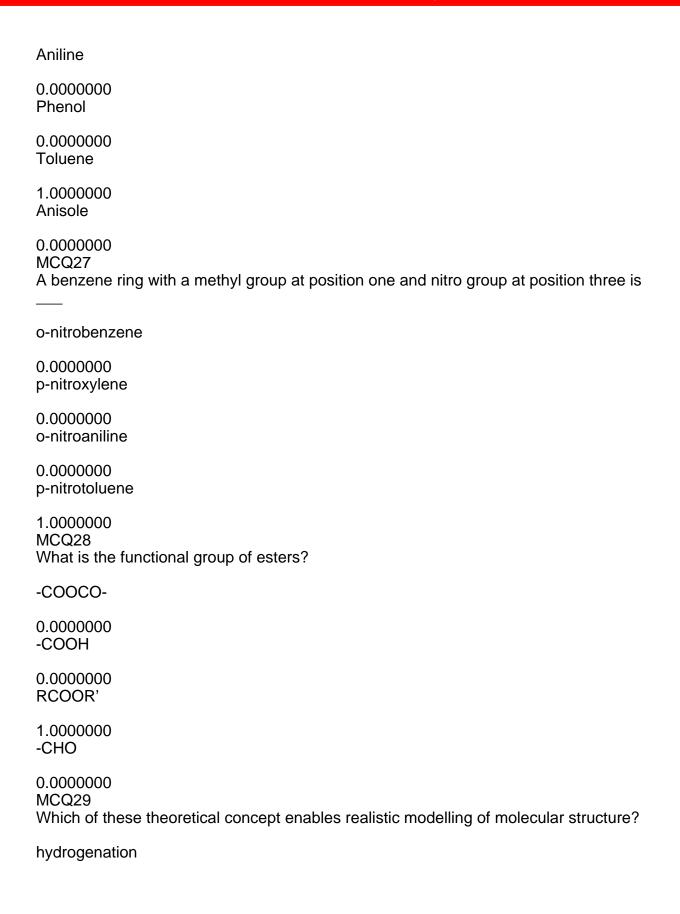
0.0000000

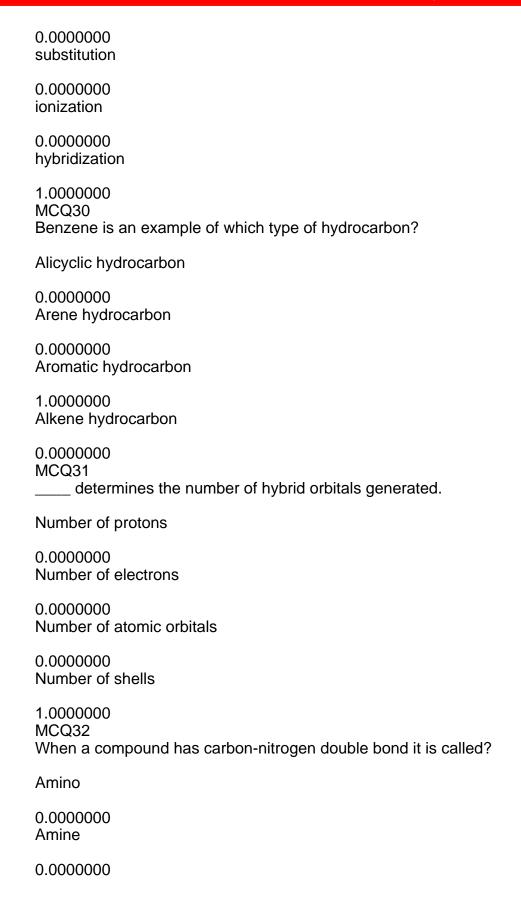
Kolbe electrolytic reaction

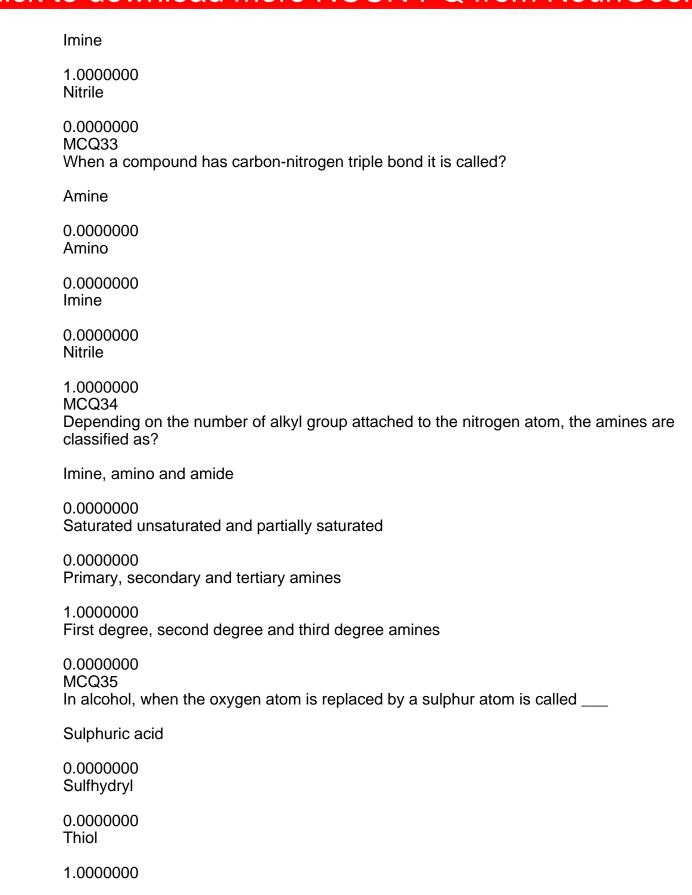
0.0000000 MCQ20











Sulphurnol

0.0000000