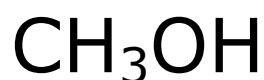


# Organic Review

Aug 2002

You have 4 aqueous solutions:



- 1 which has the lowest pH?
- 2 which contain electrolytes?
- 3 which has the lowest freezing point?
- 4 which will react with an Arrhenius acid and form water + a salt?
- 5 name each solution

Of these:

methane, propane, ethane, butane

6. Which has an isomer?

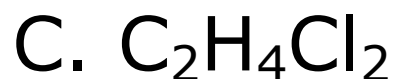
7. Draw that isomer.

# Jan 2003

8. In saturated hydrocarbons, carbon atoms are bonded to each other by

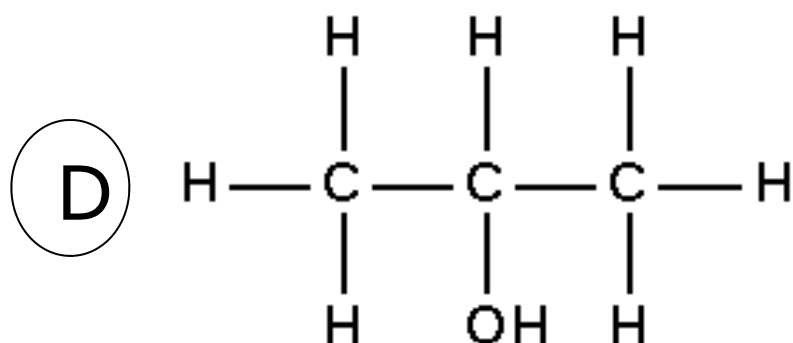
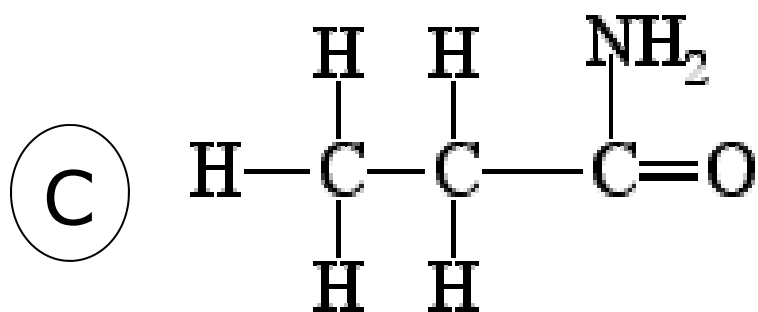
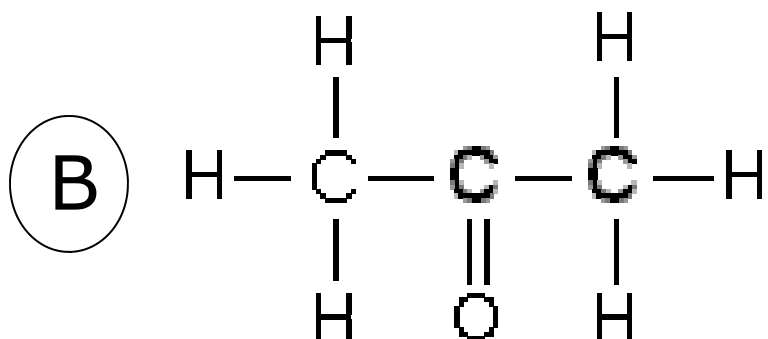
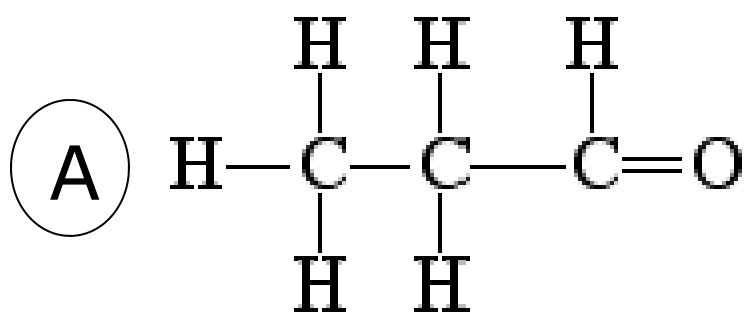
1. single covalent bonds only
2. double covalent bonds only
3. alternating single and double covalent bonds
4. alternating double and triple covalent bonds

9. Which represents the proper product of an addition reaction between ethene and chlorine?



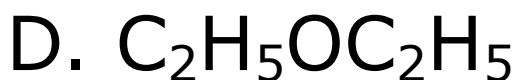
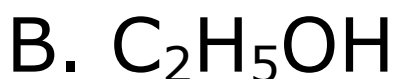
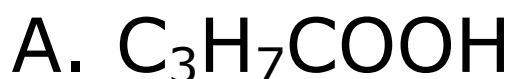
10. How is the bonding between carbon atoms different in unsaturated hydrocarbons and saturated hydrocarbons?

11. Of these which is an alcohol & which a ketone? (name all)

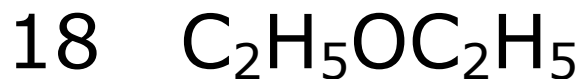
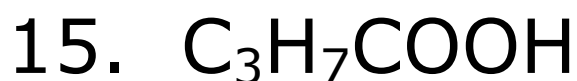


June 2004

14. Of these 4 organic compounds, which has the most similar properties to ethanoic acid?



Then name each compounds.



19. In a substitution reaction between ethane and diatomic chlorine, what are the products?

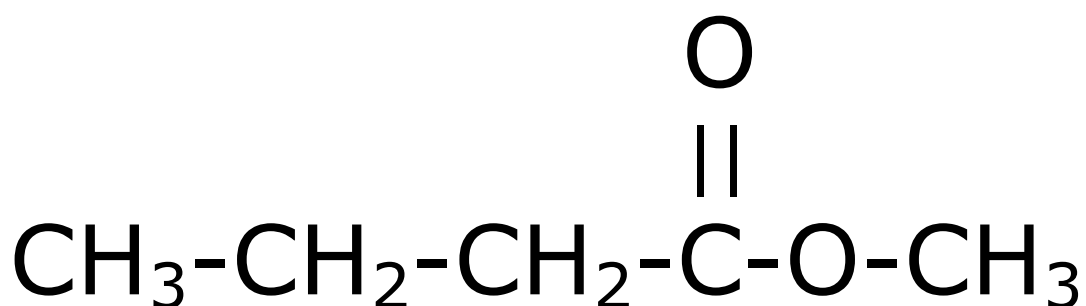
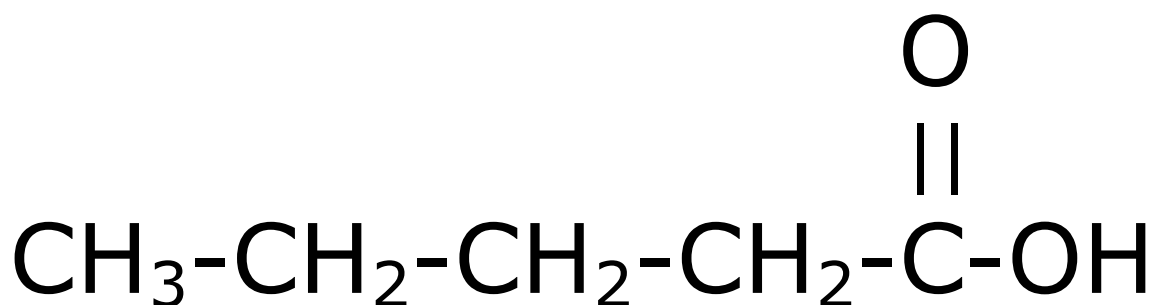
- A. ethene and HCl
- B. dichloroethane
- C. 1,2 dichloroethane
- D. chloroethane and HCl

20. Aug 2004

Molecules of 1-bromopentane and molecules of 2-bromopentane differ in

- A. molecular formula
- B. structural formula
- C. number of carbon atoms per molecule
- D. number of bromine atoms per molecule

Given these 2 organic molecules, the differences in their physical and chemical properties are primarily due to their different...



- A. number of carbon atom
- B. number of H atoms
- C. molecular masses
- D. functional groups

draw the structural diagrams and  
complete the word equation for:

butanoic acid + 1-propanol yields...