

Alcohol Naming and Properties

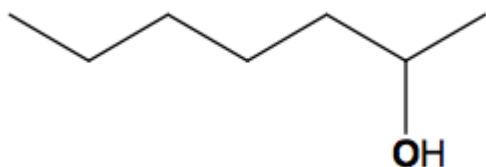
Complete the following online assignment on alcohol naming and properties. This assignment is due by 11:59pm on Monday, 15.10.

IF YOU STILL NEED HELP ON THIS ASSIGNMENT (BESIDES THE VIDEO TUTORIAL, CONTACT ME VIA REMIND OR EMAIL AND PLAN TO MEET WITH ME DURING LUNCH ON FRIDAY or MONDAY).

1. Your Name

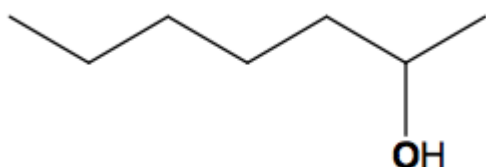
ANSWER KEY

2. Name the following alcohol *



- 1-heptanol
- 2-heptanol
- 6-heptanol
- 1-methyl-1-hexanol

3. The following alcohol is a _____ alcohol *



- primary
- secondary
- tertiary

4. Naming the following alcohol *



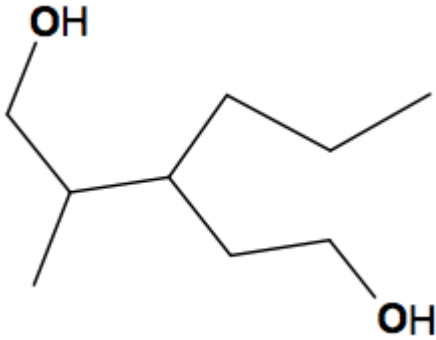
- 2-methylbutan-2-ol
- 1-methyl-1propanol
- 2-methylbutan-3-ol

5. The following alcohol is a _____ alcohol *



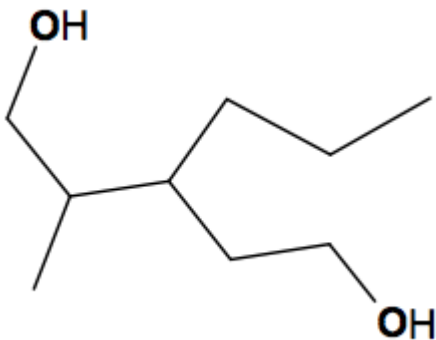
- primary
- secondary
- tertiary

6. Name the following molecule *



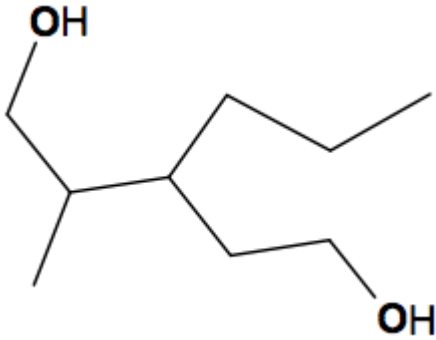
- 2-methyl-3-propylpentan-1,5-diol
- 4-methyl-3-propylpentan-1,5-diol
- 3-propyl-2-methylpentan-1,5-diol
- 3-propyl-4-methylpentan-1,5-diol

7. True or False: the following alcohol (diol) is a primary alcohol *



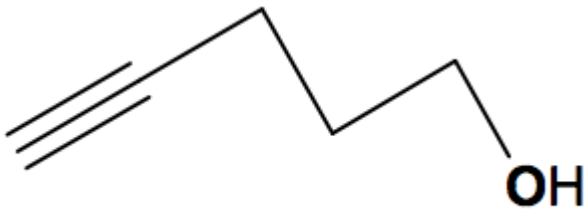
- True
- False

8. Provide the reasoning to your answer to question number 7. *



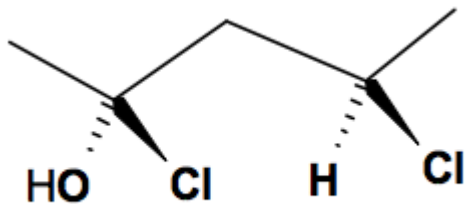
Both OH groups are attached to a carbon that is only bonding with one other carbon.

9. Name the following molecule *



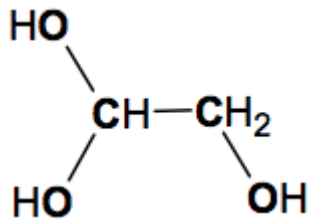
- pent-5-yn-1-ol
- pent-1-yn-5-ol
- pent-4-yn-1-ol
- pent-3-yn-1-ol

10. Name the following molecule *



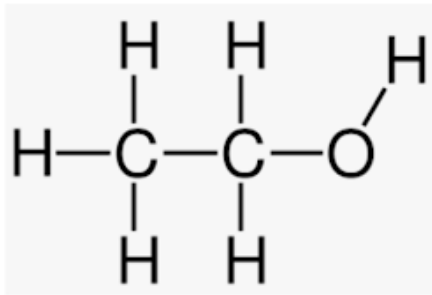
2,4-dichloropentan-2-ol

11. Name the following molecule *

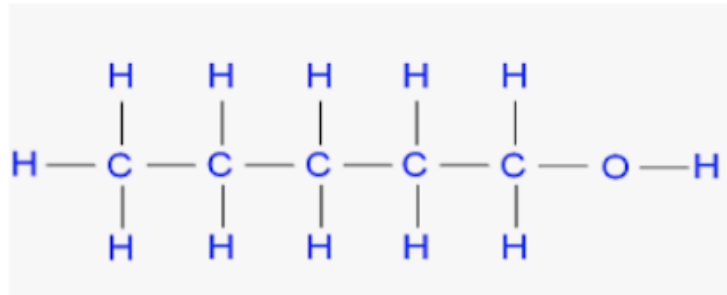


ethan-1,1,2-triol

12. Which alcohol is more polar? *



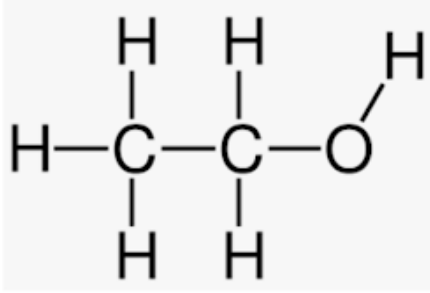
Ethanol



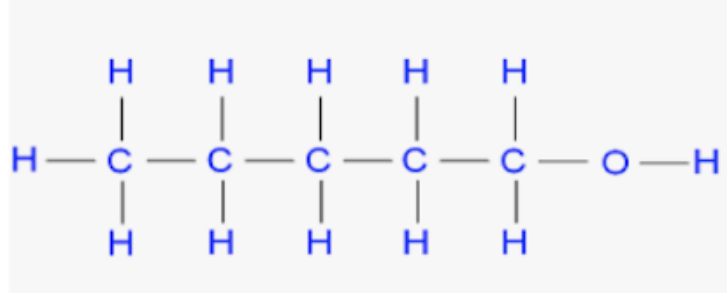
1- Pentanol

- Ethanol
- 1-pentanol
- Both are equally polar
- Neither are polar

13. Justify your answer to question number 12. *



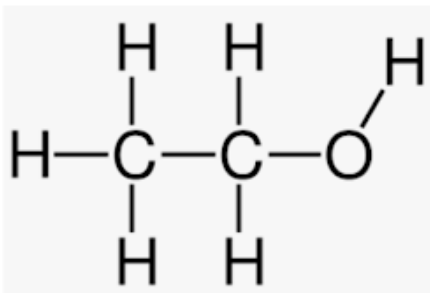
Ethanol



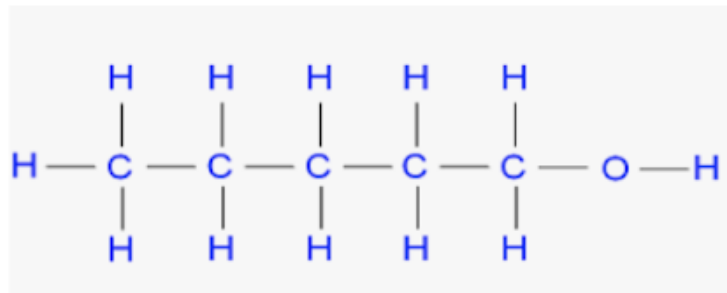
1- Pentanol

Ethanol has a shorter carbon chain.

14. Which alcohol has stronger intermolecular forces? *



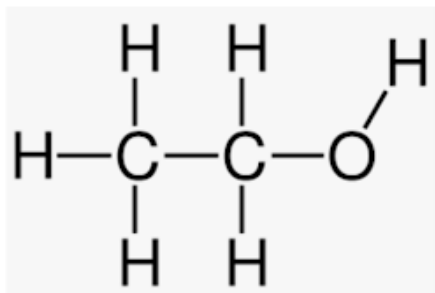
Ethanol



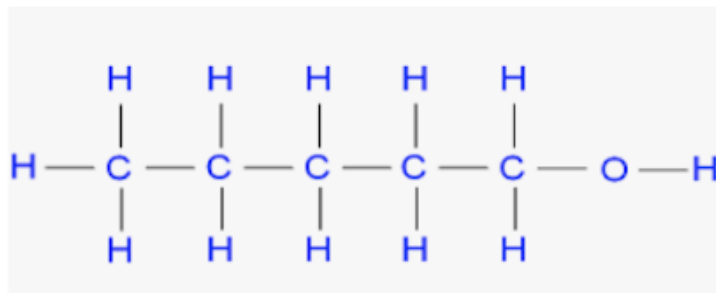
1- Pentanol

- Ethanol
- 1-pentanol
- Both are equally strong
- Both lift weights at the gym

15. Justify your answer to question number 14. *



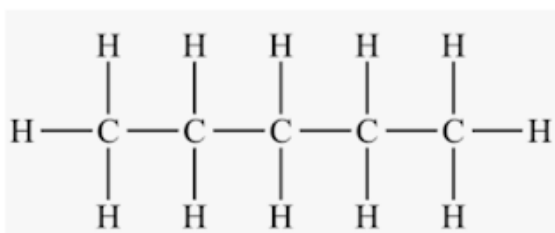
Ethanol



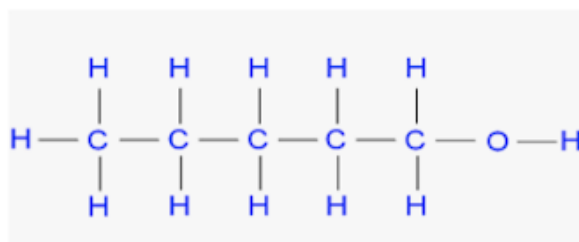
1- Pentanol

Pentanol is a larger molecule

16. Which molecule will have a higher boiling point, higher boiling point, and higher solubility in water? *



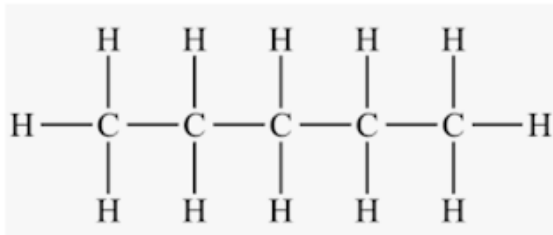
Pentane



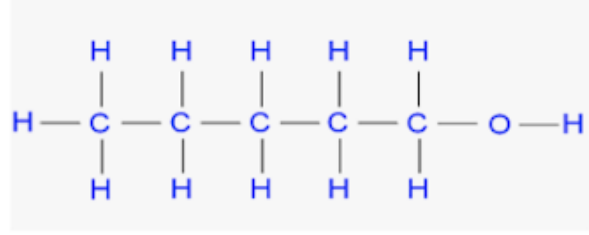
1- Pentanol

- Pentane
- 1-Pentanol
- Both have the same melting and boiling point and the same solubility in water

17. Justify your answer to question number 16. *



Pentane



1- Pentanol

Pentanol has hydrogen bonding and it is polar, therefore it will have higher boiling point, melting point, and higher solubility in water.

18. Including the video notes, how long did it take you to complete this assignment? *

5-20 minutes

21-40 minutes

41-60 minutes

60-120 minutes

More than 2 hours

Other: Average was 21-40 min

19. On a scale of 1-5, would you prefer to do more assignments like these? *

1 - Never Again

2 - Not Really

3 - Sure

4 - Yes, it was great

5 - Absolutely, I learn best using online resources

Other: Average was Sure or Yes

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