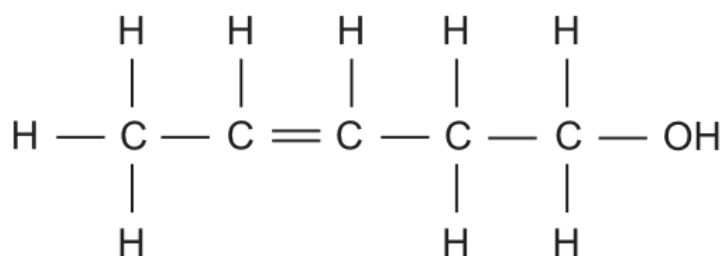


Topic 5 Alcohols Homework

1.

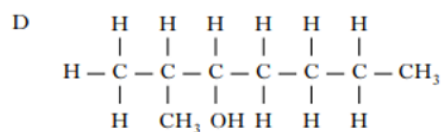
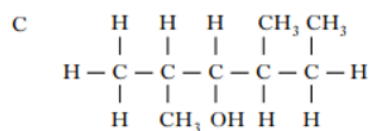
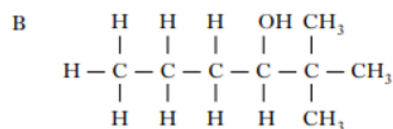
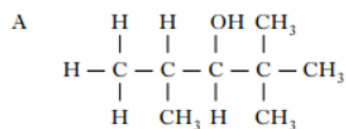
Which line in the following table shows the correct results for the following compound?



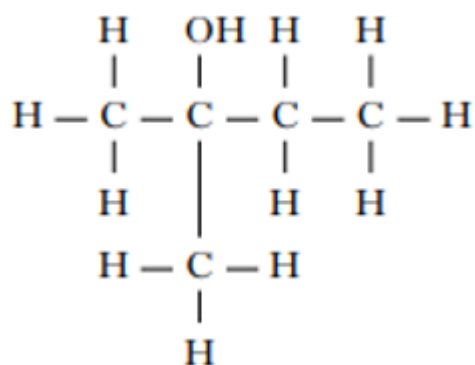
	pH of aqueous solution	Effect on bromine solution
A	4	Decolourised
B	7	Decolourised
C	4	No effect
D	7	No effect

2.

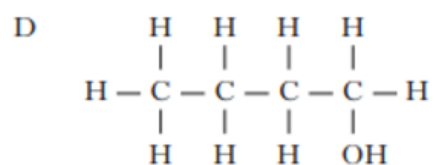
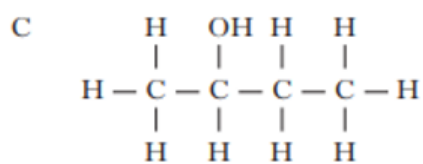
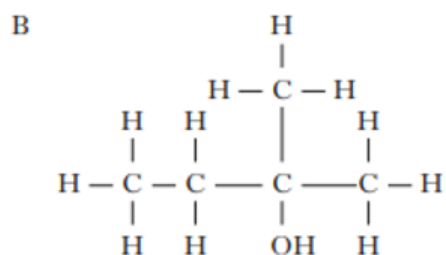
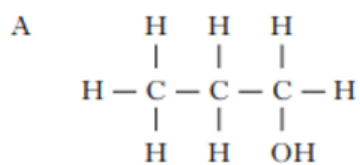
The shortened structural formula for an organic compound is $\text{CH}_3\text{CH}(\text{CH}_3)\text{CH}(\text{OH})\text{C}(\text{CH}_3)_3$. Which of the following is another way of representing this structure?



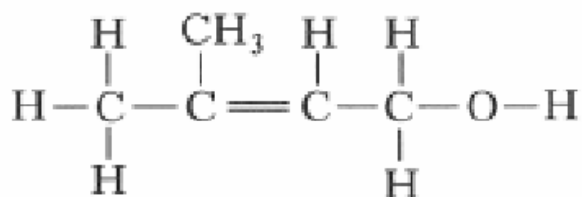
3.



Which of the following compounds is an isomer of the one above?



4.



The above molecule is an example of

- A. A saturated alcohol
- B. An unsaturated alcohol
- C. A saturated carboxylic acid
- D. An unsaturated carboxylic acid

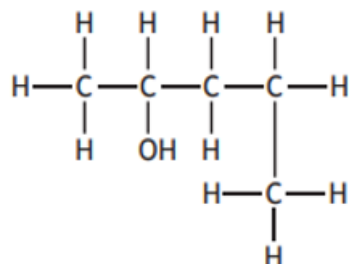
5.

Which of the following alcohols is the least soluble in water?

- A. Butan-1-ol
- B. Hexan-1-ol
- C. Pentan-1-ol
- D. Propan-1-ol

6.

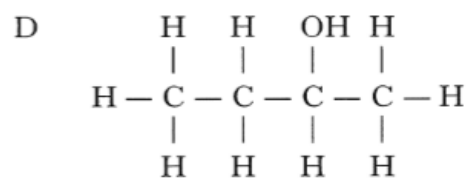
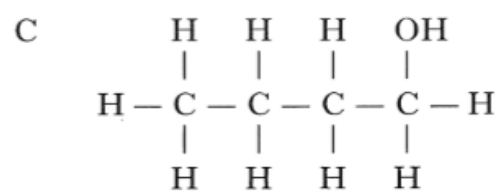
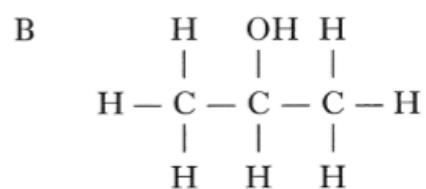
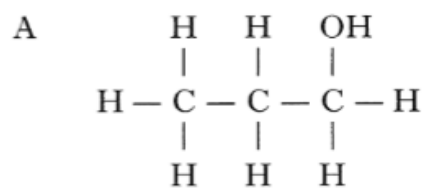
What is the systematic name for the compound below?



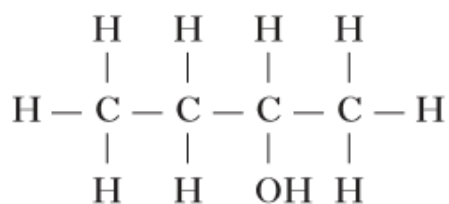
- A. pentan-2-ol
- B. pentan-4-ol
- C. 1-methylbutan-3-ol
- D. 4-methylbutan-2-ol.

7.

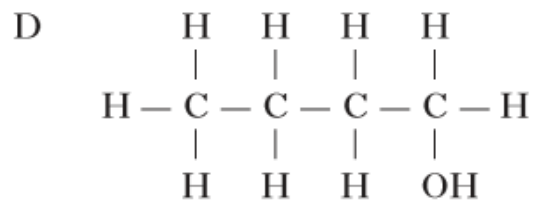
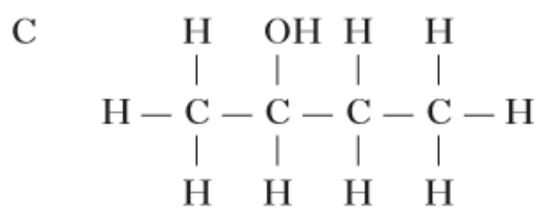
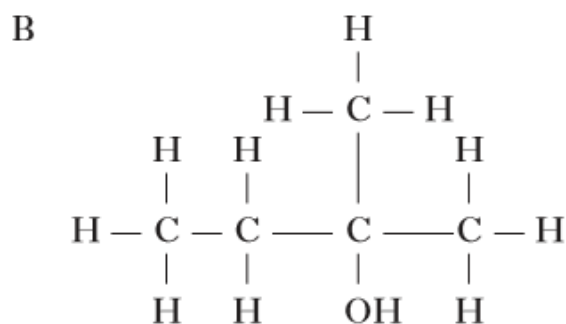
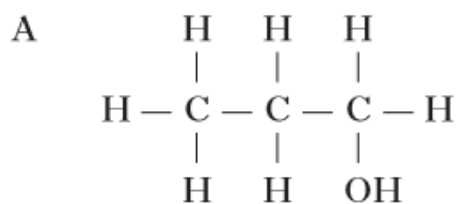
Which of the following alcohols has the highest boiling point?



8.



Which of the following compounds is an isomer of the one above?



10. The general formula of alcohols is

- A C_nH_{2n}
- B C_nH_{2n+2}
- C $C_nH_{2n}OH$
- D $C_nH_{2n+1}OH$