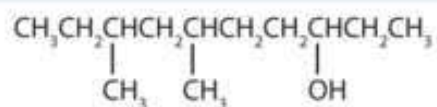


## Alcohols: Nomenclature

A.

Give the IUPAC name for each compound.

1.

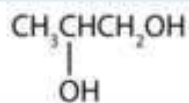


2.  $\text{HOCH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$

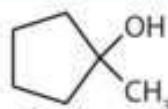
B.

Give the IUPAC name for each compound.

1.



2.



C.

Draw the structure for each compound.

1. 2-hexanol

2. 3-methyl-2-pentanol

D.

Draw the structure for each compound.

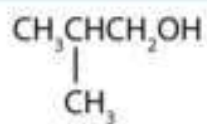
1. 3-heptanol

2. 2-methyl-3-hexanol

## Alcohols: Nomenclature

1. Is isobutyl alcohol primary, secondary, or tertiary? Explain.

E.



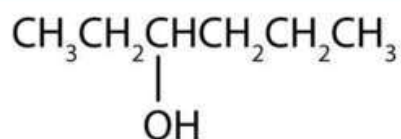
2. What is the LCC in 2-ethyl-1-hexanol? What is taken as the LCC in naming the compound?

1. Name each alcohol and classify it as primary, secondary, or tertiary.

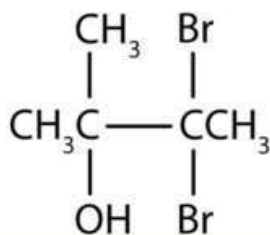
a.  $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$

F.

b.

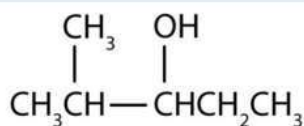


c.



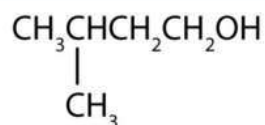
2. Name each alcohol and classify it as primary, secondary, or tertiary.

a.

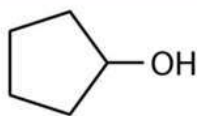


G.

b.



c.



3. Draw the structure for each alcohol.

- a. 3-hexanol
- b. 3,3-dimethyl-2-butanol
- c. cyclobutanol

4. Draw the structure for each alcohol.

- a. cyclopentanol
- b. 4-methyl-2-hexanol
- c. 4,5-dimethyl-3-heptanol