

Organic Chemistry: Nomenclature and Alcohols

Chemistry · Practice Test · 10 Questions

1. Which organization establishes the naming system for organic compounds?

- A) International Union of Pure and Applied Chemistry
- B) World Health Organization
- C) International Chemical Association
- D) Global Science Union

2. What is the prefix used for a hydrocarbon chain with 5 carbon atoms?

- A) but-
- B) prop-
- C) pent-
- D) hex-

3. What suffix is given to hydrocarbons with only single bonds?

- A) -ene
- B) -yne
- C) -ane
- D) -ol

4. What is the functional group present in all alcohols?

- A) -COOH
- B) -OH
- C) -CHO
- D) -NH₂

5. How is an alcohol classified if the carbon connected to the hydroxyl group is bonded to only one other carbon?

- A) Primary
- B) Secondary
- C) Tertiary
- D) Quaternary

6. What is the prefix for a hydrocarbon chain with 8 carbon atoms?

- A) hept-
- B) non-
- C) oct-
- D) dec-

7. When a primary alcohol is oxidized with an excess of an oxidizing agent like acidified potassium dichromate, what is the final product?

- A) Ketone
- B) Aldehyde
- C) Carboxylic acid
- D) Ester

8. What is the result of oxidizing a secondary alcohol?

- A) Ketone
- B) Aldehyde
- C) Carboxylic acid
- D) Ether

9. How many carbons are in a 'dec-' chain?

- A) 8
- B) 9
- C) 10
- D) 7

10. Which of these is the correct prefix for a chain of 3 carbons?

- A) meth-
- B) eth-
- C) prop-
- D) but-