ONTARIO CHEMISTRY, GRADE 12, UNIVERSITY PREPARATION (SCH4U) · UNIT A · 10 QUESTIONS

Organic Chemistry — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Which test distinguishes an alkene from an alkane**

A Flame test

B Bromine water decolourization

C Litmus test

D Biuret test

Understand It with Pulse | Flag a mistake

2 **The product of ethanol reacting with ethanoic acid is ethyl ethanoate and**

A Hydrogen gas

B Oxygen

C Water

D Carbon dioxide

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3 **A tertiary alcohol has its hydroxyl carbon bonded to how many other carbon atoms**

A Three

B One

C Zero

D Two

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4 **Which statement about alkanes is correct**

A Alkanes are relatively unreactive

B Alkanes are highly reactive

C Alkanes dissolve in water

D Alkanes are all gases

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5 **Cracking of long chain hydrocarbons produces**

A Aromatic rings only

B Only hydrogen gas

C Shorter hydrocarbons

D Only carbon dioxide

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6 **An aromatic amine with an NH_2 group on a benzene ring is named**

A Benzaldehyde

B Toluene

C Phenol

D Aniline

Understand It with Pulse | Flag a mistake

7 **Which polymer is a condensation polymer made from a diacid and a diol**

A Polystyrene

B Polyethene

C Polyester

D Polypropene

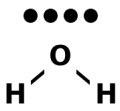
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8 **Saponification of a fat with sodium hydroxide produces soap and**

- A Acetic acid
- B Glucose
- C Ethanol
- D Glycerol

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9 **The diagram shows water with two lone pairs on oxygen. The shape is**



- A Tetrahedral
- B Linear
- C Bent
- D Trigonal planar

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10 **Phenol differs from an alcohol because its hydroxyl group is attached directly to a**

A Benzene ring

B Nitrogen atom

C Alkyl chain

D Carbonyl carbon

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ANSWER KEY

1. B
2. C
3. A
4. A
5. C
6. D
7. C
8. D
9. C
10. A

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