NOVA SCOTIA ADVANCED CHEMISTRY 11 · UNIT C

Organic Chemistry — Practice Test

Nova Scotia Advanced Chemistry 11 • 10 questions

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 **The name 2-methylpropane describes a branched alkane with**

- **A** four carbon atoms in total
- **B** two carbon atoms
- **C** three carbon atoms
- **D** five carbon atoms

Understand It with Pulse | Flag a mistake

2 **The name pent-2-ene locates the double bond starting at carbon**

A one

B two

C three

D five

Understand It with Pulse | Flag a mistake

3 **The name butan-1-ol locates the hydroxyl group on carbon**

A two

B three

C one

D four

Understand It with Pulse | Flag a mistake

4 **A tertiary alcohol resists oxidation because its hydroxyl carbon has**

A one hydrogen

B two hydrogens

C three hydrogens

D no hydrogen attached

Understand It with Pulse | Flag a mistake

5 **Ethanoic acid is the systematic name for**

A acetic acid

B formic acid

C propanoic acid

D butanoic acid

Understand It with Pulse | Flag a mistake

6 **Amines contain the functional group based on**

A oxygen only

B nitrogen

C sulfur only

D carbon only

Understand It with Pulse | Flag a mistake

7 **A benzene ring has alternating double bonds in a ring of**

A five carbon atoms

B four carbon atoms

C six carbon atoms

D eight carbon atoms

Understand It with Pulse | Flag a mistake

8 **Cracking of long alkanes uses heat and a**

A solvent only

B acid only

C base only

D catalyst

Understand It with Pulse | Flag a mistake

9 **Incomplete combustion of a hydrocarbon can produce carbon monoxide and**

A soot

B oxygen

C water only

D hydrogen only

Understand It with Pulse | Flag a mistake

10 **A fuel with a high octane number burns**

A with more soot

B more smoothly in an engine

C faster always

D without oxygen

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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