Organic Chemistry, 10-question test — 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 Ethene has a molar mass of 28 grams per mole. Three moles have a mass in grams of

Question 1

Propane has a molar mass of 44 grams per mole. Two moles have a mass in grams of

ANSWER

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2 A molecule C3H8O has how many atoms in total

Question 2

The functional group of a carboxylic acid is

A) hydroxyl

B) carbonyl only

C) amino

D) carboxyl

ANSWER

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3 An alkyne contains at least one

Question 3

The functional group of an alcohol is

A) carboxyl

B) carbonyl

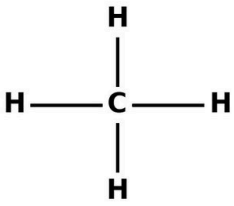
C) hydroxyl

D) amino

- **A** triple bond
- **B** single bond only
- **C** double bond
- **D** ionic bond

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4 **The prefix meth indicates how many carbon atoms**



A 2

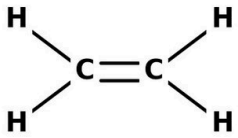
B 1

C 3

D 4

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5 **The prefix eth indicates how many carbon atoms**



A 1

B 3

C 2

D 4

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6 The prefix prop indicates how many carbon atoms

Question 6

The prefix eth indicates how many carbon atoms

A) 1

B) 3

C) 2

D) 4

A 1

B 2

C 4

D 3

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7 Cracking breaks long hydrocarbons into

Question 7

The prefix meth indicates how many carbon atoms

A) 2

B) 1

C) 3

D) 4

A shorter ones

B longer ones

C aromatic only

D ionic ones

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8 Esters are formed from an alcohol and a

Question 8

The prefix prop indicates how many carbon atoms

A) 1

B) 2

C) 4

D) 3

A alkane

B carboxylic acid

C alkene

D amine

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9

The Lewis diagram shows two carbon atoms joined by a double bond. The molecule is

Question 9

The suffix oic acid indicates a

A) carboxylic acid

B) alcohol

C) alkane

D) alkene

A ethane

B ethyne

C ethene

D methane

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10

Amines contain the functional group with

Question 10

The suffix ol indicates an

A) alkane

B) alkene

C) carboxylic acid

D) alcohol

A oxygen only

B sulfur only

C phosphorus only

D nitrogen

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ANSWER KEY

1. 84
2. 12
3. A
4. B
5. C
6. D
7. A
8. B
9. C
10. D

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