



Grossoehme, Nicholas <grossoehmen2@mailbox.winthrop.edu>

Functional Groups and Carbon

1 message

Google Forms <nobody@google.com>
To: grossoehmen2@mailbox.winthrop.edu

Wed, Jan 11, 2017 at 2:35 PM

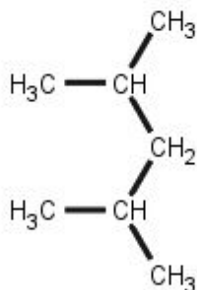
Thanks for filling out [Functional Groups and Carbon](#)

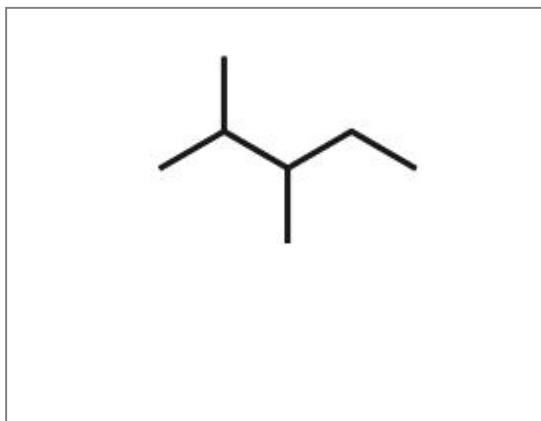
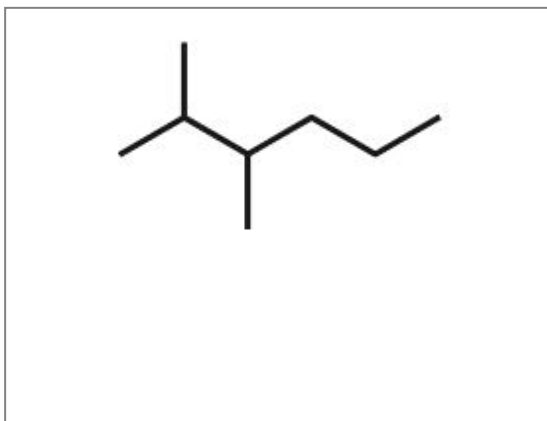
Here's what we got from you:

Functional Groups and Carbon

Your email address (grossoehmen2@mailbox.winthrop.edu) was recorded when you submitted this form.

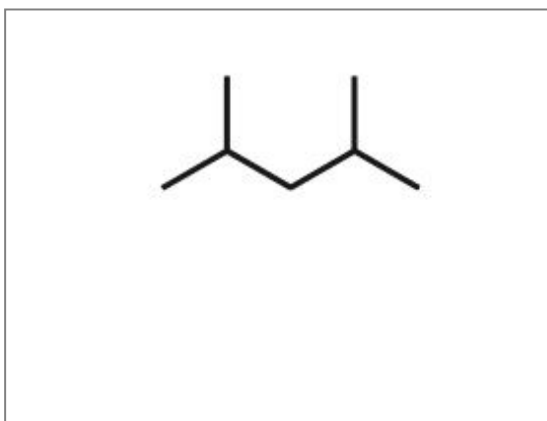
1. Which of the following images shows the skeletal structure for the molecule below?





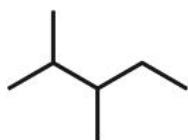
Option 1

Option 3



Option 2

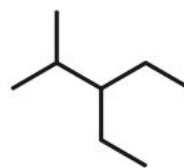
2. Which of the two skeletal structures show below are the same molecule?



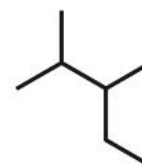
A



B



C



D

- A
- B
- C
- D
- They are all unique.

Use this image for questions 3-7.



A



B



C



D

3. Consider the image just above. Match the letter with the correct type of carbon chain.

	Alkane	Alkene	Alkyne	Aromatic
A	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
B	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
C	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

4. What is the common name of the compound labelled C in the image above?

5. What is the common name of the compound labelled A in the image above?

6. Which of the compounds in the image above have 6 carbons? Select all that apply.

- A
- B
- C
- D

7. Which compound shown above contains the most hydrogen atoms?

- A
- B
- C
- D
- They all have the same number.

8. Match each functional group with the proper name. You may want to draw a Lewis structure to visualize the molecule first. (CO) means a C=O within the carbon chain.

	CH ₃ OCH ₃	CH ₃ CHO	CH ₃ (CO)CH ₃	CH ₃ (CO)OH	CH ₃ OH	CH ₃ (CO)OCH ₃	CH ₃ (CO)NH ₂	C
Ester	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amide	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Aldehyde	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Carboxylic Acid	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amine	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ketone	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Alcohol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ether	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

9. Consider the image below. Match the letter with the cis/trans isomer.



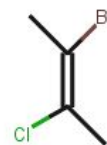
A



B



C



D

	Cis	Trans	neither
A	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
B	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
C	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
D	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

Create your own Google Form