

Name:

Class:




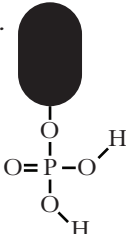


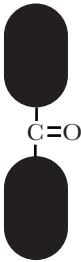

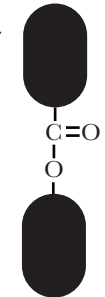

Date:

# Organic Compounds and Functional Groups

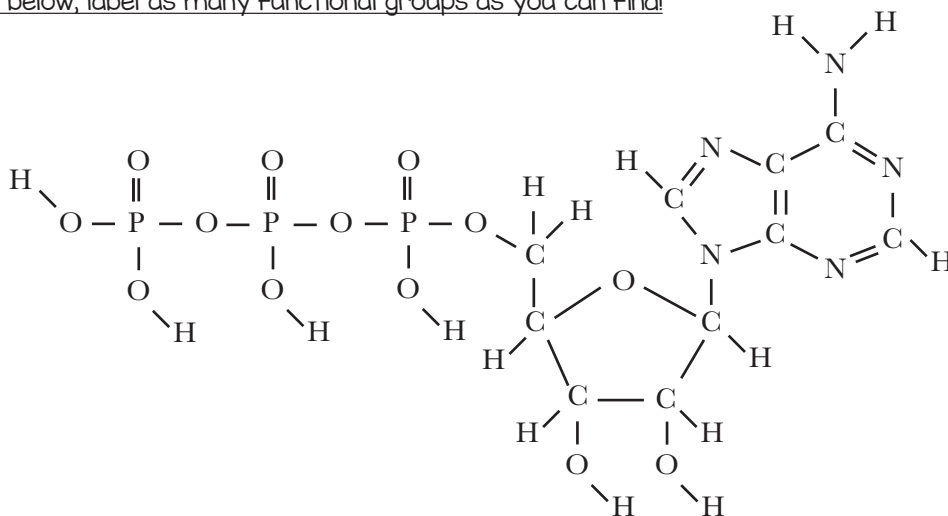
Sort the following mixed-up alkane compound names into the correct spaces provided.  
butane, decane, ethane, heptane, hexane, methane, nonane, octane, pentane, propane

1 carbon alkane	2 carbon alkane	3 carbon alkane	4 carbon alkane	5 carbon alkane
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6 carbon alkane	7 carbon alkane	8 carbon alkane	9 carbon alkane	10 carbon alkane
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Using organic compound naming rules, match each compound on the left with its name on the right.

A. 	B. 	C. 	D. 	E. 	<p>Match the name with the functional group attached to each molecule</p> <p>____ 11. phosphate group</p> <p>____ 12. carbonyl group (aldehyde)</p> <p>____ 13. carbonyl group (ketone)</p> <p>____ 14. hydroxyl group</p> <p>____ 15. carboxylic acid group</p> <p>____ 16. amine group</p> <p>____ 17. sulfhydryl group (thiol)</p> <p>____ 18. ester</p> <p>____ 19. ether</p> <p>____ 20. amide</p>
F. 	G. 	H. 	I. 	J. 	

In the molecule below, label as many functional groups as you can find!




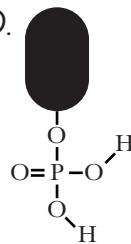


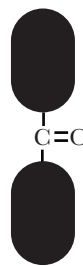

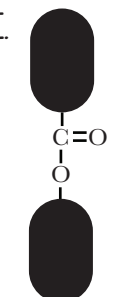



# Organic Compounds and Functional Groups

Sort the following mixed-up alkane compound names into the correct spaces provided.  
butane, decane, ethane, heptane, hexane, methane, nonane, octane, pentane, propane

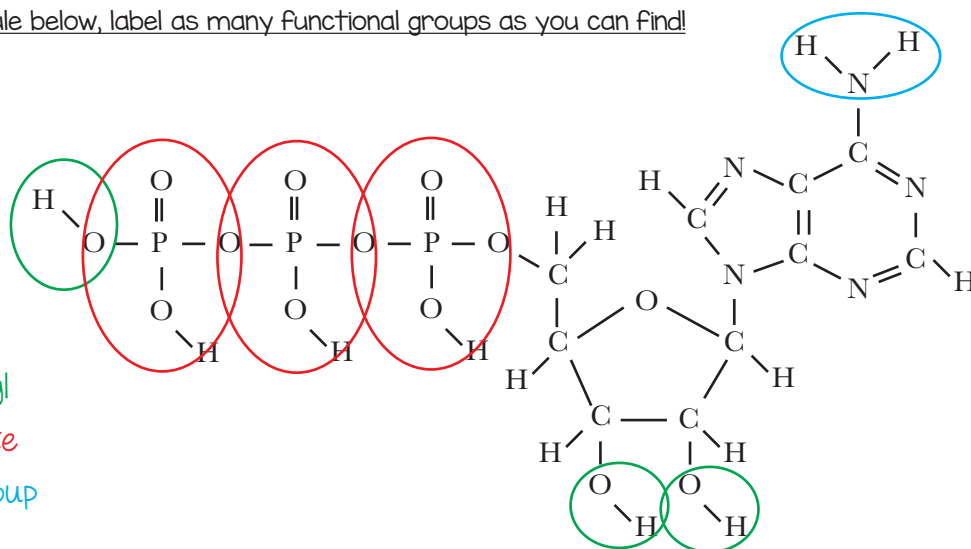
1 carbon alkane	2 carbon alkane	3 carbon alkane	4 carbon alkane	5 carbon alkane
methane	ethane	propane	butane	pentane
6 carbon alkane	7 carbon alkane	8 carbon alkane	9 carbon alkane	10 carbon alkane
hexane	heptane	octane	nonane	decane

Using organic compound naming rules, match each compound on the left with its name on the right.

A. 	B. 	C. 	D. 	E. 	<p>Match the name with the functional group attached to each molecule</p> <p><u>D</u> 11. phosphate group</p> <p><u>H</u> 12. carbonyl group (aldehyde)</p> <p><u>G</u> 13. carbonyl group (ketone)</p> <p><u>E</u> 14. hydroxyl group</p> <p><u>F</u> 15. carboxylic acid group</p> <p><u>B</u> 16. amine group</p> <p><u>C</u> 17. sulfhydryl group (thiol)</p> <p><u>I</u> 18. ester</p> <p><u>A</u> 19. ether</p> <p><u>J</u> 20. amide</p>
F. 	G. 	H. 	I. 	J. 	

In the molecule below, label as many functional groups as you can find!

hydroxyl  
phosphate  
amino group



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