Physical Science (PSC 102) Fall 18 Dr. Hahn MWF 9 am Quiz VI form A 11/12 M Exam # _____

Name _____ Name _____

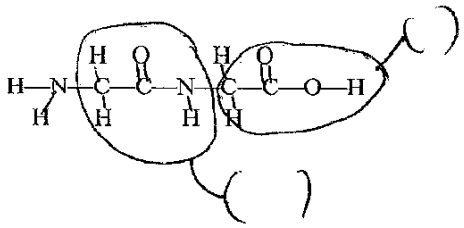
Sign extra credit - Print (bc I can't read your signatures)

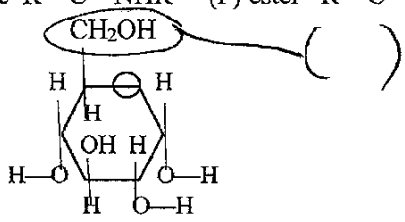
Please show work for full credit and partial credit on all questions quiz redo

1. Given the following biochemical molecule, fill in the blank with the label of the functional group (6 pts, 2 pts each)

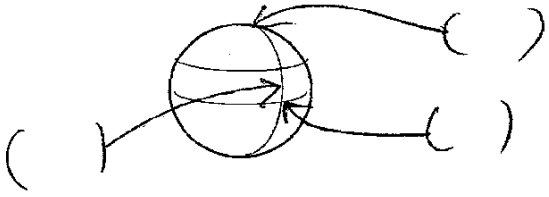
(A) Alkyl halide R—X (B) Alcohol R—O—H (C) Amine R—NH_2

(D) carboxylic acid R—C(=O)—O—H (E) Amide R—C(=O)—NHR' (F) ester R—C(=O)—O—R'

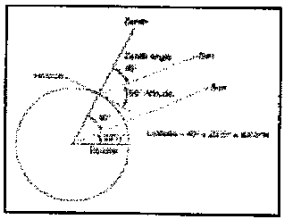




2. Fill in the parenthesis with the letter of the word (A) north pole (B) south pole (C) equator (D) meridian (E) parallel (F) latitude (G) longitude (6 pts, 2 pts each)



3.

A 

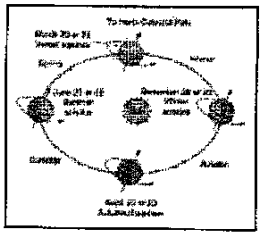
B 

Fig A represents how one can figure out the [(latitude) or (longitude)] (circle one) from the position of the [(sun) or (moon)] (circle one). (4 pts, 2 pts each)

Given **Fig B** a 24 hour day is [(earth rotation on axis) or (revolution of the earth around the sun)]. (circle one)

The seasons of the year is because of [(earth rotation on axis) or (revolution of the earth around the sun)] (circle one) (4 pts, 2 pts each)

Extra Credit (4 pts, 2 pts each) The solar system is made up of the [(sun) or (earth)] (cirle one) at its center with planets circling the center. The earth revolution is in the form of an [(round circle) or (ellipse)].

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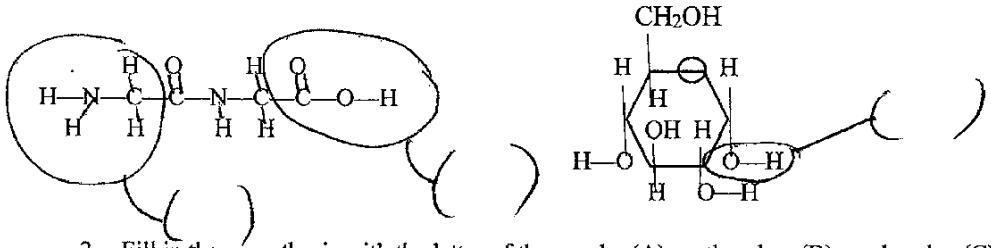
Please show work for full credit and partial credit on all questions pink quiz redo

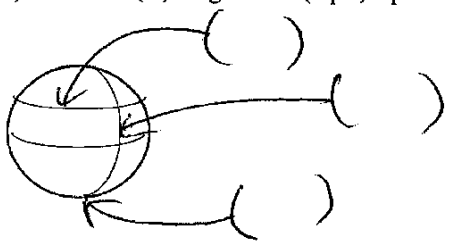
1. Given the biochemical molecule, fill the blank with the label of the functional group (6 pts,2 pts each)

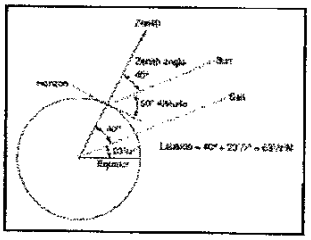
(A) carboxylic acid R—C(=O)—O—H (B) Amide R—C(=O)—NHR' (C) ester R—C(=O)—O—R'

(D) Alkyl halide R—X (E) Alcohol R—O—H (F) Amine R—NH_2



2. Fill in the parenthesis with the letter of the word (A) north pole (B) south pole (C) equator (D) meridian (E) parallel (F) latitude (G) longitude (6 pts, 2 pts each)



A 

The Greenwich Meridian is a [(latitude) or (longitude)] (circle one) is located at the [(0°) or (180°)] (circle one).

The International Date Line is the [(same) or (180°)] (circle one) from the Greenwich Meridian. (4 pts, 2 pts each)

Fig A represents how one can figure out the [(latitude) or (longitude)] (circle one) from

the position of the [(sun) or (moon)] (circle one). (4 pts, 2 pts each)

Extra Credit (4 pts, 2 pts each) The solar system is made up of the [(earth) or (sun)] (cirle one) at its center with planets circling the center. The earth revolution is in the form of an [(ellipse) or (circle)].

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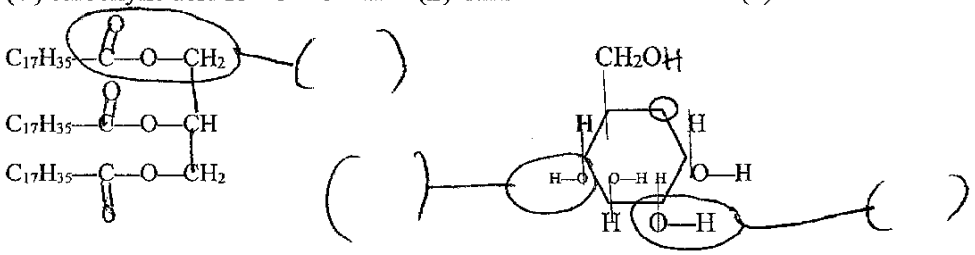

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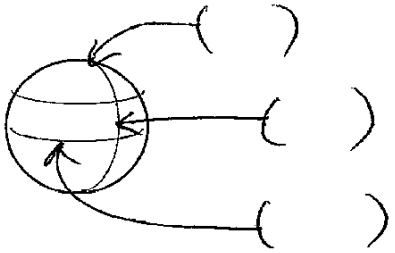

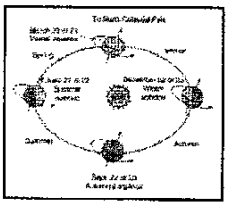

Given the figure a 24 hour day is [(earth rotation on axis) or (revolution of the earth around the sun)]. (circle one)

The seasons of the year is because of [(earth rotation on axis) or (revolution of the earth around the sun)] (circle one) (4 pts, 2 pts each)

Around June 21 or June 22 is the [(shortest day of the year) or (longest day of the year)] (circle one) and is called the [(summer solstice) or (vernal equinox)] (circle one) (4 pts, 2 pts each)

Extra Credit (4 pts, 2 pts each) The earth revolution is in the form of an [(round circle) or (ellipse)].

The solar system is made up of the [(sun) or (earth)] (cirle one) at its center with planets circling the center

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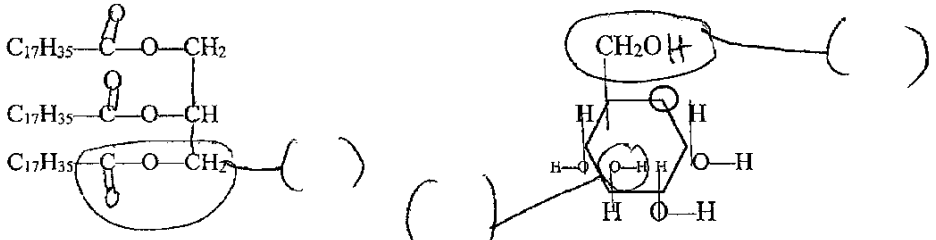

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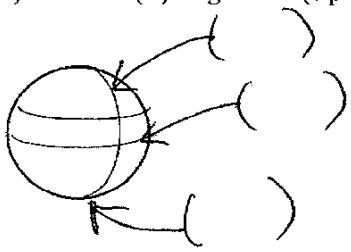
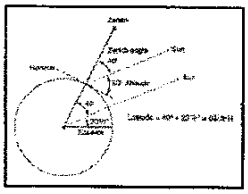


A 

Around Christmas is the [(shortest day of the year) or (longest day of the year)] (circle one) and is called the (winter solstice) or (autumnal equinox)] (circle one). (4 pts, 2 pts each)

Fig A represents how one can figure out the [(latitude) or (longitude)] (circle one) from the position of the [(sun) or (moon)] (circle one). (4 pts, 2 pts each)

Extra Credit (4 pts, 2 pts each) The solar system is made up of the [(sun) or (moon)] (cirle one) at its center with planets circling the center. The earth revolution is in the form of an [(round circle) or (ellipse)].