Name Sign Please show work	for full credit and partial cred	Print (bc	I can't read your signatures)
1. Given the forpts, 2 pts each)	ollowing biochemical molecu	le, fill in the bla	ank with the label of the functional group (6
(A) Alkyl halid	e R—X (B) Alcohol	R—O—H (C) Amine R—NH ₂
(D) carboxylic acid	I R—C—O—H (E) Amide	e R—C—NHR	' (F) ester R—C—O—R'
H—N C N H H H	H O (D)	CH ₂ OH H H OH H	(B)
	renthesis with the letter of the w (F) latitude (G) longitude		pole (B) south pole (C) equator (D) meridian
3. (por)		2) or E	Dar G OK
Zenth orgin Zenth orgin 700 Allhade 100 Allhade 100 Allhade 100 Allhade	Sun	Street St	this quiz not much other pes
Fig A represents h	ow one can figure out the [(latit	ude) or (longitud	e)] (circle one) from
the position of the	sun) or (moon)] (circle one). (4	pts, 2 pts each)	
Given Fig B a 2	hour day is [(earth rotation or	axis) or (revolu	tion of the earth around the sun)]. (circle one)
The seasons of the ye (4 pts, 2 pts each)	ear is because of [(earth rotation	on axis) or (revo	olution of the earth around the sun)] (circle one)

Physical Science (PSC 102) Fall 18 Dr. Hahn MWF 9 am Quiz VI form B 11/12 M Exam#
Name Name Print (bc I can't read your signatures)
Please show work for full credit and partial credit on all questions Pink
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—H (B) Amide R—C—NHR' (C) ester R—C—O—R'
(D) Alkyl halide R—X (E) Alcohol R—O—H (F) Amine R—NH ₂ CH ₂ OH
H O H O H O H O H O H O H O H O H O H O
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)
(B) or D ambighous arrow c or e ok
A Exercise State Age of the State Age of
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)].

Physical Science (PSC 102) Fall 18 Dr. Hahn MWF 11 am Quiz VI form A 11/12 M Exam#
Name Name Print (bc I can't read your signatures) Please show work for full credit and partial credit on all questions
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—H (E) Amide R—C—NHR' (F) ester R—C—O—R'
C ₁₇ H ₃₅ C—O—CH ₂ CH ₂ OH
C ₁₇ H ₃₅ —C—O—CH
$C_{17}H_{35}$ C_{-0} C_{H_2} C_{-0} C_{H_2} C_{-0} C_{H_2} C_{-0} C
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)
(c) or E attempt
Given the figure a 24 hour day is [(earth rotation on axis)) or (revolution of the earth around the sun)]. (circle one)
And the state of t
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

Name Cly	Name
Sign	Print (bc I can't read your signatures)
Please show work for full credit and	l partial credit on all questions
1. Given the following biochem pts, 2 pts each)	ical molecule, fill in the blank with the label of the functional group (6
(A) carboxylic acid R—C—O—H	(B) Amide R—C—NHR' (C) ester R—C—O—R'
(D) Alkyl halide R—X (E	E) Alcohol R—O—H (F) Amine R—NH ₂
C ₁₇ H ₃₅ —C—O—CH ₂	CH ₂ O H
C ₁₇ H ₃₅ —C—O—CH	H
C ₁₇ H ₃₅ C O CH ₂	H—OO—HHO—H
	Н ОН
2. Fill in the parenthesis with the le	
	longitude (6 pts, 2 pts each)
. /	(D) F Ahis quiz
	(c) or = (hat much)
	hat much
	CHP-24 m
	(B)
Zerits	15A gts
Seeth angle Sun	
150° Patende 40° 100° Patende 100° Patend	
Figure	
A Christmas is the (shortest day of	of the year) or (longest day of the year)] (circle one) and is called
""Adula Publica reconstruit de la construit de	
the (winter solstice) or (autumnal equino	
Fig A represents how one can figure or	ut the ((latitude) or (longitude)] (circle one) from
the position of the [(sun) or (moon)] (circ	cle one). (4 pts, 2 pts each)
Extra Credit (4 pts, 2 pts each) The	ne solar system is made up of the [(sun) or (moon)] (cirle one) at its
center with planets circling the center	r. The earth revolution is in the form of an [(round circle) or (ellipse)].