

Biology 111 Lecture Quiz #2

Name _____

CIRCLE YOUR SECTION NUMBER	
MW 9397 11:55 AM	MW 0302 3:05 PM
MW 4641 4:40 PM	

Note: Lettered selections on the right side might be used more than one time (or not at all) as answers for questions or descriptions on the left.

- 1) [6pts] **Matching:** Select the best matching term/item for the descriptions on the left.

Letter	Descriptions	Letter	Term/Item
	This type of molecule is produced by the liver to store excess sugar found in our blood	A	Glycogen
	A type of lipid that contains no double bonds, and therefore, has no kinks or bends in it	B	Cellulose
	A type of molecule that has both polar and nonpolar regions	C	Glucose
	A complex carbohydrate that is not produced by animals	D	Saturated
	A complex carbohydrate that is primarily made by plants and is a major part of the cell wall in plants	E	Phospholipids
	This type of biological molecule is one of the main components of the cell membrane in animals		

- 2) [5pts] **True or False:** Select either True (A) or False (B) for each statement or description below

Letter	Descriptions	Letter	
	Saturated fats are better than polyunsaturated fats for your cardiac health	A	TRUE
	DNA is like a blueprint that contains information specifying the exact sequence for the monomers that make up a protein	B	FALSE
	The liver releases insulin when blood sugar levels are too high		
	Carbohydrate molecules generally contain a functional group known as a carboxyl group		
	The shape of a protein is a result of the specific order of the monomers that make it up		

3) [9pts] Matching: Select the best matching term/item for the descriptions on the left.

Letter	Descriptions
	This type of biological molecule includes DNA and RNA
	This type of biological molecule is a polymer made up of amino acid monomers
	Starch is a type of molecule that falls into this category
	This type of biological molecule is mostly non-polar
	Blood sugar falls into this category of biological molecule
	Triglycerides fall into this type of molecular classification
	This type of molecule includes fatty acids
	Biological molecules that contain only atoms of carbon, hydrogen and oxygen
	This type of biological molecule is a polymer that is made up of 4 different monomers

Letter	Term/Item
A	Lipids and Carbohydrates
B	Lipids
C	Carbohydrates
D	Proteins
E	Nucleic Acids