Name:			Grading Quarter: Week Begins		ing:	
Kristoffer Van Atten			Q1	8/28/2023	8/28/2023	
School Year: 23-24			Subject: AP Biology			
Monday	Notes:	by living organisms  • ENE-1.A.1 environme • ENE-1.A.2 necessary a Ca ca us or b Ni Ph	Organisms must exchargent to grow, reproduce, are Atoms and molecules for to build new molecules — arbon is used to build biology rbohydrates, proteins, lipped in storage compounds ganisms.  Trogen is used to build proposition of the storage to build proposition of the students take notes in the students take notes in the state of the students take notes in the state of the students take notes in the students take notes in the state of the students take notes in the students	ord maintain organization. From the environment are regical molecules such as ds, and nucleic acids. Carbon is and cell formation in all	Academic Standards: ENE- 1.A.1-2	
Tuesday	Notes:	of bonds that conn SYI-1.B.1 cleave and Exclusion Stateme amino acids is bey Exclusion Stateme polymers is beyon	nect the monomers in biol Hydrolysis and dehydrat I form covalent bonds bet ent: The molecular structurond the scope of the AP Lent: The molecular structured the scope of the AP Example 19 Students take notes in the	ion synthesis are used to ween monomers. are of specific nucleotides and Exam. are of specific carbohydrate	Academic Standards: SYI- 1.B.1	
Wednesday	Notes:	Objective: No School Lesson Overview: Sup. That is a lesson	Some students may still th	nink there is school and show	Academic Standards:	

	Notes:	Objective: SWBAT Describe the properties of the monomers and the type	Academic
		of bonds that connect the monomers in biological macromolecules.	Standards:
		SYI-1.B.2 Structure and function of polymers are derived from	SYI-1.B.2
		the way their monomers are assembled –	
Thursday		the way their monomers are assembled —  a In nucleic acids, biological information is encoded in sequences of nucleotide monomers. Each nucleotide has structural components: a five-carbon sugar (deoxyribose or ribose), a phosphate, and a nitrogen base (adenine, thymine, guanine, cytosine, or uracil). DNA and RNA differ in structure and function.  b In proteins, the specific order of amino acids in a polypeptide (primary structure) determines the overall shape of the protein. Amino acids have directionality, with an amino (NH2) terminus and a carboxyl (COOH) terminus. The R group of an amino acid can be categorized by chemical properties (hydrophobic, hydrophilic, or ionic), and the interactions of these R groups determine structure and function of that region of the protein.  c Complex carbohydrates comprise sugar monomers who structures determine the properties and functions of the molecules.  d Lipids are nonpolar macromolecules —  i Differences in saturation determine the structure and function of lipids.  ii Phospholipids contain polar regions that interact with other polar molecules, such as water, and with nonpolar regions that are often hydrophobic.  Exclusion Statement: The molecular structure of specific lipids is beyond the scope of the AP Exam.	SYI-1.B.2
		Lesson Overview: Students take notes in their interactive notebooks and do activities based on the content	

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		ii Phospholipids contain polar regions that interact		
		with other polar molecules, such as water, and		
		with nonpolar regions that are often hydrophobic.		
		Exclusion Statement: The molecular structure of specific lipids is beyond		
		the scope of the AP Exam.		
		Lesson Overview: Students take notes in their interactive notebooks and		
		do activities based on the content. Students Finish Properties of Water Lab		