Angeles City Science High School

Science 10

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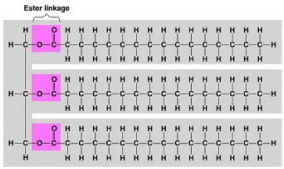
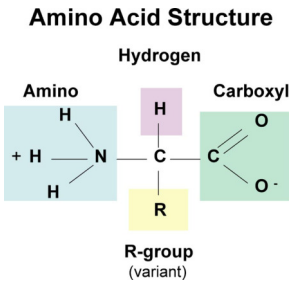
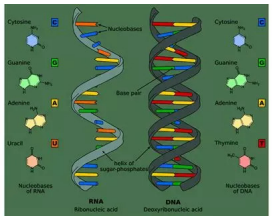
Activity 2. Fill My Empty Biomolecules Spaces!

OBJECTIVE: Describe and illustrate the major categories of biomolecules.

Direction: Complete the empty spaces on the table.

	LIPIDS	PROTEINS	NUCLEIC ACID
FUNCTIONS	They are concetrated fuel reserve of the body. Important cellular metabolic regulators. They serve as source of fat-soluble vitamins.	It provides us with building blocks of life. It is also good for growth and maintenance of tissues.	Contains genetical information about yourself.
ILLUSTRATION			
ELEMENTS	Mainly composed of C, H, O	C, H, O, N. R-group changes.	C, H, O, P, and N
MONOMERS	Fatty Acid and Glycerol	Amino Acid	Nucleotides

POLYMERS	Triglycerides	Polypeptide	DNA/RNA (single stranded)
EXAMPLES	Waxes, steroids, phospholipids, and fats are the most common types of lipid groups. Foods such as butter, vegetable oil, cholesterol and milk.	Foods like tuna, fish, seafood, beef are rich in protein.	Examples of this are DNA and RNA. RNA also has 3 types which are mRNA, tRNA, and rRNA. We can't find this in food like in the last examples, however, these identifies someone with their genetical code.