

Biochemistry Review Worksheet

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Biological Molecules	Check (✓) Atoms Present						Monomers / Building Blocks	Functional Group(s) in Monomer
	C	H	O	N	P	S		
Carbohydrates	X	X	X				Monosaccharide	Carbonyl Hydroxyl
Simple Lipids	X	X	X				Glycerol Three Fatty acid	Hydroxyl Carboxyl
Phospholipids	X	X	X		X		Glycerol Two fatty acid Phosphate	Hydroxyl Carboxyl Hydroxyl
Proteins	X	X	X	X		S	Amino acid	Amino Carboxyl
Nucleic Acids	x	X	X	X	X		Nucleotide (phosphate, nitrogenous base, pentose)	Hydroxyl Amino Carboxyl carbonyl

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Biological Molecules	Polymer(s)	Reaction that Links Monomers	Main Functions within Cell
Carbohydrates	Polysaccharide	Dehydration synthesis	Energy storage (starch, glycogen) Structure (cellulose) Part of nucleic acids (ribose, deoxyribose)
Simple Lipids	Triglyceride	Dehydration synthesis	Energy storage Insulation Buoyancy
Phospholipids	Phospholipid	Dehydration synthesis	Membranes
Proteins	Polypeptide	Dehydration synthesis	Transport Support Enzymes Defense Attack Energy storage (last option)
Nucleic Acids	Polynucleotide	Dehydration synthesis	DNA = give instructions to cell Passes traits to next generation RNA = instructions to make protein