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Key

Organic Compounds Chart

Use the word bank at the bottom of the page to complete the table below.

Organic Compound	Monomer	Polymer	Examples	Function(s)	At the Store	Caloric Value
Carbs	MONOSACCHARIDE	Disaccharide & Polysaccharide	Glucose, cellulose, Starch, glycogen	Immediate energy, Structure, & Support	Bread, pasta, & Candy	4 cal/gram
Lipids	Fatty Acid & Glycerol	Phospholipids & triglycerides	Cholesterol, waxes, & steroids	Energy storage, Insulation, & part of cell membrane	Butter, olive oil, cheese	9 cal/gram
Proteins	Amino Acids	Polypeptides & Proteins	Enzymes & hemoglobin	Structure Transport Muscle contraction Catalyst Immune Defense	Meats, Beans, and nuts	4 cal/gram
Nucleic Acids	Nucleotides	DNA/RNA	DNA/RNA	Make Proteins Store info for putting Amino Acids together	Not at store (you could find @ GNC now!)	0 cal/gram

Word Bank:

Amino Acids

Monosaccharides

Fatty Acids & glycerol

Nucleotides

Structure, Transport, Muscle Contraction, Catalyst, Immune Defense

Energy storage, Insulation, part of cell membrane

Immediate energy, structure, and support

Make Proteins, store information for putting amino acids together

Phospholipids & triglycerides

DNA & RNA

Polypeptides & proteins

disaccharides & polysaccharides

9 Calories per gram

4 Calories per gram

4 Calories per gram

0 Calories per gram

enzymes, hemoglobin

glucose, cellulose, starch, glycogen

cholesterol, waxes and steroids

DNA & RNA

Butter, olive oil, cheese

Meat, beans, and nuts

Breads, Pastas, Candy

Not at Store (DNA & RNA)