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BUSTER**

Adenosine tri-phosphate A compound composed of adenosine and three phosphate groups that supplies energy for many biochemical cellular processes by undergoing enzymatic hydrolysis

Amino Acid An organic monomer which serves as a building block of proteins

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Calorie The amount of heat energy required to raise the temperature of 1g of water by 1°C

Carbohydrate A sugar in the form of a monosaccharide, disaccharide, or polysaccharide

Chemical Bond An attractive force that holds together the atoms, ions, or groups of atoms in a molecule or compound

Chemical Indicator A substance (as a dye) used to show visually usually by its capacity for color change

Chemical Reaction Chemical transformation or change; the interaction of chemical entities

Compound A substance consisting of two or more elements in a fixed ratio

Covalent bond A type of strong chemical bond in which two atoms share one or more pairs of valence electrons

Dehydration Synthesis A chemical reaction in which two molecules are bonded together with the removal of a water molecule

Disaccharide A double sugar molecules made of two monosaccharides bonded together through dehydration synthesis

Element The smallest particle of a substance that retains all the properties of the substance and is composed of one or more atoms

Glucose A monomer of carbohydrate, simple sugar

Homeostasis The maintenance of relatively stable internal physiological conditions

Hydrolysis A chemical process that splits a molecule by adding water

Ionic Bond A chemical bond resulting from the attraction between oppositely charged ions

Lipids One of a family of compounds including fats, phospholipids, and steroids that is insoluble in water

Macromolecule A type of giant molecule formed by joining smaller molecules which includes proteins, polysaccharides, lipids, and

nucleic acids  
Molecule Two or more atoms held together by covalent bonds  
Monomer The subunit that serves as the building block of a polymer  
Monosaccharide A single sugar molecule such as glucose  
Nutrient A substance that is needed by the body to maintain life and health  
Polymer A large molecule consisting of many repeating chemical units or molecules linked together  
Polysaccharide A polymer of thousands of simple sugars formed by dehydration synthesis  
Protein A three dimensional polymer made of monomers of amino acids