

AP Biology Vocabulary List by Chapter

Chapter 1

Biosphere
Ecosystem
Biological community
Population
Organism
Organ system
Organ
Tissue
Cell
Organelle
Molecule
Producer
Consumer
DNA
Genes
Genome
Emergent properties
Negative feedback regulation
Positive feedback regulation
Taxonomy
Natural selection
Science Inquiry
Observation
Data
Hypothesis
Controlled experiment

Chapter 2

Matter
Element
Compound
Trace elements
Atom
Neutron
Protons
Electron
Atomic nucleus
Atomic number
Mass number
Atomic mass
Isotopes
Radioactive isotope

Energy

Potential energy
Kinetic energy
Energy levels
Valence electrons
Electron configuration
Chemical bonds
Covalent bonds
Ionic bonds
Hydrogen bonds
Van der Waals interactions
Molecule
Single bond
Double bond
Triple bond
Structural formula
Molecular formula
Electronegativity
Nonpolar covalent bond
Polar covalent bond
Anion
Cation
Ionic compound
Chemical reaction
Reactants
Products
Chemical equilibrium

Chapter 3

Cohesion
Adhesion
Surface tension
Heat
Temperature
Specific heat
Heat of vaporization
Evaporative cooling
Solution
Solvent
Solute
Aqueous solution
Hydrophilic
Hydrophobic

Molecular mass

Mole
Molar mass
Molarity
Hydroxide ion
Hydrogen ion
Acid
Base
pH
pH scale
Buffers

Chapter 4

Organic chemistry
Tetravalence
Hydrocarbons
Isomers
Structural isomer
Geometric isomer
Functional group
Hydroxyl group
Carbonyl group
Carboxyl group
Amino group
Sulfhydryl group
Phosphate group
ATP

Chapter 5

Macromolecule
Polymer
Monomer
Dehydration reaction
Hydrolysis
Carbohydrates
Monosaccharides
Disaccharides
Polysaccharides
Glycosidic linkage
Glycogen
Cellulose
Chitin
Lipids

Biology Chapter 18 Vocabulary

Emilie Sanchez



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