

HONORS BIOLOGY FALL FINAL VOCABULARY

Denature	The Cell Theory	Chemical reaction
Polar (as in H ₂ O molecule)	Endosymbiotic theory	Reactants
Activation energy	Cell organelles	Products
Enzyme	Lysosomes	Chemosynthesis
Active site	Mitochondria	Law of Conservation of
Substrate	Chloroplasts	Energy
Metabolism	Thylakoid	Kinetic energy
Anabolism	Grana	Potential energy
Catabolism	Stroma	Chromatin
Dehydration synthesis	Smooth ER	Chargaff's Rule
Hydrolysis	Rough ER	Diploid
Phospholipids	Cytoskeleton	Haploid
Monomer	Cytoplasm	Homologous chromosomes
Polymer	Large central vacuole	Autosomes
Monosaccharide	Vesicle	Sex chromosomes
Polysaccharide	Cell wall	Somatic (body) cells
Ionic bonds	Cell membrane	Germ cells
Covalent bonds	Fluid mosaic model	Mitosis
Hydrogen bonds	Phospholipids	Meiosis
Nucleotide	Lipid bilayer	Cell cycle
Parts of molecule	Unsaturated	G ₁ phase
Variable portion	fatty acid tails	S phase
Controlled experiment	Protein channels	G ₂ phase
Dependent variable	Photosynthesis	Mitosis
Independent variable	Electron transport	Cytokinesis
Control group	chain (light	Gamete (sex cells)
Controlled variables	dependent)	Sperm
Solution	Calvin cycle (light	Egg
Solvent	independent)	Fertilization
Solute	Cellular respiration	Zygote
Homeostasis	Glycolysis	Rosalind Franklin
Negative feedback	Krebs cycle	Watson and Crick
Positive feedback	Electron transport	Replication
Prokaryote	chain	Gene
Eukaryote	Pyruvic acid	
Surface to volume ratio	(pyruvate)	
Cell transport	Glycolysis	
Passive transport	Fermentation	
Diffusion	Lactic acid	
Osmosis	Alcoholic	
Facilitated diffusion	Chlorophyll	
Active transport	Pigment	
Endocytosis	Organic compounds	
Exocytosis	Carbohydrate	
ATP	Protein	
ADP	Nucleic acid	
Concentration gradient	Lipids	