

# Biology

Student Name \_\_\_\_\_

Vocabulary Lists for Unit 1: Chapters 1, 2, 3, and 4

## Chapter 1

### 1.1, Pt. 1:

1. Organism
2. Biology
3. Evolution
4. Adaptations
5. Phylogeny
6. DNA – deoxyribonucleic acid
7. Gene
8. Inheritance
9. Asexual reproduction
10. Sexual reproduction

### 1.1, Pt. 2:

1. Unicellular organisms
2. Multicellular organisms
3. Development
4. Morphology
5. Anatomy
6. Autotrophs
7. Heterotrophs
8. Ecology
9. Ethics
10. Bioethics

### 1.2:

1. Response
2. Behavior
3. Cell division
4. Cell enlargement

## Chapter 2

### 2.1, Pt. 1:

1. Observing
2. Collecting Data
3. Measuring
4. Organizing Data
5. Classifying
6. Hypothesis
7. Hypothesizing
8. Predicting
9. Experimenting

### 2.1, Pt. 2:

1. Controlled Experiment
2. Independent variable
3. Dependent Variable
4. Analyzing Data
5. Inferring
6. Modeling
7. Communicating
8. Scientific Method
9. Theory

### 2.2:

1. Microscope
2. Magnification
3. Resolution
4. Objective Lens
5. Ocular Lens
6. Transmission Electron Microscope (TEM)
7. Scanning Electron Microscope (SEM)
8. Scanning Tunneling Microscope
9. Cell Culture
10. Fractionation
11. Centrifugation
12. Chromatography
13. Scientific Sampling

## Chapter 3:

### 3.1:

1. Matter
2. Mass
3. Atom
4. Nucleus
5. Proton
6. Neutron
7. Electrons
8. Elements
9. Atomic number
10. Isotopes
11. Mass number
12. Radioisotopes
13. Compounds
14. Ion
15. Ionic bond
16. Covalent bond
17. Molecule

### 3.2:

1. Mixture
2. Solution
3. Solute
4. Solvent
5. Concentration
6. Aqueous solutions
7. Suspension
8. Colloids
9. Sol
10. Gel
11. Acid solution
12. Base solution
13. pH scale

### 3.3

1. Energy
2. Potential energy
3. Kinetic energy
4. Chemical reaction
5. Chemical equations
6. Activation Energy
7. Exothermic reactions
8. Endothermic reactions
9. Intermediary metabolism

## Chapter 4:

### 4.1

1. Organic compounds
2. Inorganic compounds
3. Polar compound
4. Capillarity
5. Cohesion
6. Polymers
7. Monomer
8. Macromolecules
9. Condensation reaction
10. Hydrolysis

### 4.2, Pt. 1

1. Carbohydrates
2. Monosaccharide
3. Isomers
4. Disaccharide
5. Polysaccharide
6. Lipid
7. Fatty acid
8. Hydrophilic
9. Hydrophobic
10. Triglyceride
11. Oils

### 4.2, Pt. 2

1. Fats
2. Wax
3. Steroid
4. Proteins
5. Amino acids
6. Dipeptide
7. Peptide bond
8. Polypeptide
9. Enzymes
10. Nucleic acids
11. Ribonucleic acid (RNA)
12. Nucleotides