Anatomy Study Sheet

Biochemistry

Study the following:

1. Inorganic v. Organic compounds
2. Monomer v. Polymer
3. Starch v. Glycogen
4. Monosaccharides (glucose, fructose) v. Disaccharides (lactose, sucrose, maltose)
5. Define the following terms:

* Polypeptide
* Glycogen
* Polysaccharide
* Nucleotide (components)
* Organic catalysts
* Decomposition
* Synthesis
* Amino acid
* Keratin (function)
* Hemoglobin (function)
* Lipids (examples)
* Biological catalyst
* Saccharide (define)
* Emulsifier (as it relates to lipids)

1. Diagrams of biological molecules (Figure 2-4 on the worksheet packet)
2. Properties of water
3. Denaturation of an enzyme
4. Composition of a triglyceride
5. Structure of a triglyceride (lipid)
6. Role and characteristics of enzymes
7. The pH Scale (range, role of pH in maintaining homeostasis, role of buffers, 0 to 6.9, 7, 7.1-14)
8. The function of the following in the body:

* Carbohydrates
* Lipids
* Proteins
* Nucleic acids
* Enzymes (as they relate to activation energy)
* Glycogen
* Glucose
* Actin

1. Structure of DNA (Study slide 18 and 19 on the PowerPoint notes)

Know the location of deoxyribose sugar, phosphate, hydrogen bonds, bases (adenine. Thymine, guanine, cytosine)

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