Biology Chapter 6 Part 2 Study Guide

1. Describe how water has polarity.
2. What are the two types of mixtures? Describe each type.
3. What are two characteristics of a pure substance?
4. What is a pH scale? Draw a pH scale and label acid, base and neutral.
5. What are the three shapes of carbon compounds?
6. What are the four major categories of macromolecules? State a function of each.
7. What are the three types of carbohydrates?
8. What is the difference between saturated, unsaturated and polyunsaturated fats?
9. Draw a phospholipid and label its parts. (hydrophilic head, hydrophobic tails)
10. What are the four parts that make up a protein?
11. What are the building blocks of each of the four major macromolecule categories?

***Vocabulary Words:***

Polar molecules

Mixture

Homogenous mixture

Heterogeneous mixture

Solvent

Solute

Pure substance

Acids

Base

pH

pH scale

buffer

organic chemistry

carbon

macromolecules

polymers

mono

di

poly

saccharide

lipid

triglyceride

saturated fat

unsaturated fat

polyunsaturated fat

carbohydrates

proteins

nucleic acids

hydrophilic

hydrophobic

