Medical Anatomy and Physiology					
Name: Period:					
U	Init 2: Chemistry				
1.	List the three states of matter.				
2.	Describe an atom in terms of its nucleus, valence, shell, electrons, protons, and neutrons.				
3.	Define the term element and identify the four major elements in the body.				
4.	Define the following terms: a. compound:				
	b. molecule:				
5.	Define the following terms: a. ion:				
	b. cation:				
	c. anion:				
3.	Describe the characteristics of the following types of bonds: a. ionic:				
	b. covalent:				
	c. hydrogen:				
7.	Define pH.				
3.	Given the pH of a solution, categorize it as acidic, basic, or neutral. a. 7.0 b. 14.0 c. 5.5 d. 1.0 e. 7.35				

_M	_Medical Anatomy and Physiology_					
9.	What is the pH of blood?	Is this acidic, bas	ic or neutral?			
10	10. Describe the properties of water that make it so valuable to the human body.					
11	11. Define the following terms: a. organic:					
	b. inorganic:					
12	. Draw the structures and ider nucleic acids.	ntify the functions of carbohy	ydrates, proteins, lipids, and			
	a. Carbohydrates	b. proteins	c. lipids			
	Function:	Function:	Function:			
13	13. Describe the ATP → ADP + Pi + ENERGY conversion which occurs when the body needs energy and when the body stores energy.					