Chemistry Homework Chapter 1 Assignments Name						
1.1>1.2 1. Define chemistry.						
Distinguish between a theory, hypothesis and law.						
3. What is the purpose of an experiment as part of the scientific method?						
4. List the five major divisions of chemistry.						
1-3>1-41. Use table 1.2 to answer the following questions:a. What property do neon, ethanol and oxygen have in common?						
b. Why doesn't sucrose have a boiling point listed?						
c. Make a general statement comparing the densities of gaseous substances with the						

2.	2. List 4 properties of an iron nail.						
	In which state of matter do the following exist at room temperature and atmospheric ressure.						
	a. diamond b. oxygen c. cooking oil d. mercury e. clay f. neon						
	Match each state of matter with the term on the right. Record on the line provided. lore than 1 state can match each term.						
	a. incompressible 1. gas b. indefinite shape 2. liquid c. definite volume 3. solid d. flows						
5.	List 3 substances that you have experienced in at least 2 physical states.						
	.5>1.10 . Name 2 physical properties that could be used to distinguish between these substances.						
	a. water and rubbing alcohol						
	b. gold and aluminum						
	c. helium and oxygen gas						
2.	Identify each of the following samples of matter as homogeneous or heterogeneous.						
2	 a. spaghetti sauce b. glass c. table sugar d. river water e. cough syrup f. nitrogen Classify each of the samples of matter in problem #2 as an element, compound or mixture. 						
J.	a						

	b.c.d.e.f.				
4.	a. b. c.	ssify each of the following bending a piece of wire burning coal cooking cutting grass	as a physical or chemica	al change: - - -	
5.	Stat	te the law of conservation	of mass:		