\sim			
ľ'n	Δm	net	r۱
OH.	em	เเจเ	ıν

Ch. 2 Study Guide

Read 39-42 and then answer the following:
1 is defined as anything that has mass and occupies space.
2. Matter that has a uniform and definite composition is called
3. Give and example of a substance that is an element. Compound. Mixture.
4. Give 7 examples of physical properties.
5. Be able to distinguish between the solid, liquid, and solid phases of matter.
6. What is a vapor?
7. List 7 words that signify a physical change:
Answer 5, 6, & 7 on p. 42.
Read p. 44-47 and then answer the following
8. Compare and contrast a homogenous mixture and a heterogeneous mixture.
9. Homogeneous mixtures are more often called
10. Any part of a system with a uniform composition and properties is called a
11. Give an example of a 2-phase system.
12. How could a mixture of gold, sand, iron filings, and sugar be separated by physical means
13. Of the 3 phases of matter, which 2 are considered to be the condensed phases?
14. Distillation takes advantage of the fact that the different parts of a mixture have different
15. Study Fig 2.5. Where did the condenser get its name?
Answer 14, 15, & 16 on p. 47
Read p. 48-52 and then answer the following
16. A substance containing only one kind of atom is called an
17. H_2O , CO_2 , $NaCl$, CF_4 , and $C_6H_{12}O_6$ are examples of compounds. What do they all have in
common that makes them compounds?
18. A pure substance that can be broken down into different elements is called a
19. What 3 elements are found in sugar?
20. Poisonous sodium and chlorine react to produce

21. What is the color of gaseous chlorine? What is the color of sodium?

22. Study Fig. 2.8. a) A substance can either be a or a _	·
b) Compounds can only be separated into elements by	means.
c) Mixtures can be separated into pure substances by	means.
23. Look at the symbols for the elements on the Periodic Table at the bar	ck of your book. Each
symbol consists of either or letters. The first letter is always	case, and the
second letter is alwayscase.	
Answer 24, 25, & 27 on p. 52	
Read p. 53-55 and then answer the following	
24. During areactionreact to form	as one or more
change into new During a chemical rea	action the atoms in one
substance(s) rearrange to form a new substance(s).	
25. List 4 different chemical changes:	
26. There are several clues to chemical change mentioned p 42. List all 0	of them.
27. The state	es that during
change change is neither created no	or destroyed. Another
way to state this law is that during chemical or physical change there is no	ot change in they type
and number of atoms present. Atoms are conserved.	
Answer 32, 33, & 34 on p. 55	
Answer 37, 40, 43, 47, 51, 53, 55, 57, 60-64, 66, 68, & 71 on p. 58-59	
7 mismon or, 40, 40, 41, 01, 00, 00, 01, 00-04, 00, 00, 00, 01 1 on p. 30-33	