lame_		Date	Period	Page
	Chapter Six Re	eading Study	<u>Guide</u>	
1.	Give an example of a common chemic			
2.	Dissolving or change of state are know			
3.	When a candle burns, molecules in the			
	Molecules made of only	and		
5.	The chemical formula for methane is C	1930	hat it is made of _	
6.	The left side of the equation are called			·
7.				
8.	The atoms in the			
	The same and			
	the	<u>_</u> .		
10.	The		a particular type o	of
	th			
11.	The		of a certain type of	
	are in a mol-	ecule.		
12.	The atoms in the	end up in the		and
	that no atoms are cre			
13.	If you want to change the amount of	<u> </u>	_ formed in a cher	nical reaction,
	you need to change the			
14.	In general, using more of	reactant	s will result in moi	e of
	p) <u>0_5=0</u>
15.	Since the was produced to		(bal	cing soda) and
	a (vinegar), the gas			
	Another clue that a re			
	formed when two			
17.	When this happens, the solid is called a			

18.	When two	are mixed a	nd a	change resul	ts, this
	color change can also b	e	that a chemical _		has
	taken place.				
19.	Ach	ange can mean that n	ew molecules have	been	in
	a chemical reaction wit	h different	that produ	ice different	
	Another	_that a chemical reac	tion has occurred is	s a change in	
	of the reaction mixture.				
21.	The			of how	
	the reactants are into products.				
22.	This can be	by	the te	mperature of the r	eactants
23.	For reactant	to react,	they need to	other	reactant
	molecules with enough		for the atoms or gr	oup of atoms to co	ome
	apart and	to make	the products.		
24.	Α	which helps	up	a chemical reactio	n in this
	way but does not become a product of the reaction is called a				
25.	A single molecule of _		can catalyze th	e breakdown of a	million
	hydrogen peroxide		every secon	d.	
26.	If you	different substance	es with a particular	t	o see
	how the substances rea	ct, each would	in its	own characteristic	: way.
27.	Chemical reaction invo	olve	bonds in the rea	ctants and	
	new bonds in the produ	icts.			
28.	If a reaction is	, that mea	ans that it takes less	to	break
	the bonds of the reactants than is released when the bonds in the products are				
29.	If the reaction is	, it ta	kes more energy to	break the	
	in the reactants than is		when the pro	oducts are formed	•
30.	The scale is	s a way to measure w	hether the water is	or _	
31.	When two	molecules bump in	to each other and _		a proton
	from a	_ atom in one of the	water molecules g	ets	to
	the other water molecu	le.			

32. So in the reaction between the	les, the one that		
	has one more proton than		
from H ₂ O to become the ion H			
33. So the water	_ that lost the proton has one me	ore and	
changes from H ₂ O to become t			
34. The concentration of the	in water determine	es how or	
a so			
35. Pure water is	and measures a	on the pH scale.	
36. If a solution has a concentration of H ₃ O ⁺ than OH ⁺ , it is cons			
an			
37. An acid measure	then	on the pH scale.	
38. If a solution has a	concentration of H ₃ C	than OH, it is considered	
an	•		
39. A base measures	than	on the pH scale.	
40. Acids are sometimes called "_		н.	
41. This means that when an	is added to	, the acid molecule	
	a proton to the water molecu	ales forming more H ₃ O ⁺ .	
42. Bases are sometimes called "		19	
43. This means that when a	is added to	, the base molecule	
a pro	oton from water forming more (OH⁻.	
44. An acid can			
45. This makes sense because if an	is a proton	and a is a	
proton, they have			
46. There are ac	cids,acids, and	in-between.	
47. A stronger acid produces a lot of	ofin water,	while the same amount of	
aacid	produces a smaller amount of H	3O ⁺ .	
48	has to do with the	of acid added to	
a certain amount of water.			
49. It is the combination of the	and the	of an acid	
that determines the amount of _	in the s	solution.	

50.	Carbon dioxide goes into the ocean and reacts with water to form			
	weak acid called		_acid.	
51.	This extra carbonic	affec	ts the	of the ocean
52.	The change in ocean	has an effec	on	in the ocean,
	particularly ones that build	shells like		·
53.	The extra	from the	interacts with	the carbonate
	and changes it so that it can	't be used for making	Z	