Name:		Date:		
	MIXTURES AND SOLU	JTIONS 2013 Revi	ew/Practice Test	G H
. Think about the gravel, po	owder, and salt mixture we	made. How did you	ı separate each or	ne?
		·	•	
true/false- Write T or F on	each line below.			
2 A miytura	combines two or more mate	erials but they don?	t react chemically	y to each other
	s are solutions, but not all s	· -	_	y to each other.
	s an example of a solution.	solutions are infature	23.	
	an example of a solution.			
	rms cereal is an example of	a miytura		
o Lucky Char	ms cerear is an example of	a mixture.		
<b>Word Bank:</b> crysta saturated solution insolu	• •	dissolving	evaporate NaCl	mixture H2 <b>0</b>
	* * ·	solution		
7	A special kind of r	nixture formed when	n one material dis	ssolves in another.
8	One material mixing	g evenly into anothe	r; seeming to disc	appear or melt into it.
9	To turn into a ga	as, like water into va	ipor.	
10	Any characteristic	c that you can obser	ve- like color, we	ight, size, etc.
	The solid form of	-		
11	The sond form of	a material that can	be identified by it	is natural snape of pattern
	gravel are			ans they won't dissolve.
	look like li			
14. A	happens wh	nen a solution has di	ssolved as much	solute as it possibly can.
15	means capable of	being dissolved, like	e table salt in wat	er.

17	. The opposite of <u>dilute</u> is				
18	. The of a liquid is the three-dimensional space it occupies.				
19	. As you add more to a solution, it becomes more <b>concentrated</b> .				
20	. As you add more to a solution, it becomes more <u>dilute</u> .				
21	. Each milliliter of water weighs				
22	is a number (fraction or decimal) that tells you how strong or weak a solution is.				
23	. The <u>original</u> substances in a chemical reaction are called				
24	. The <u>new</u> substances formed in a chemical reaction are called				
25	. During investigation #5, we mixed calcium chloride, baking soda and water in a cup. Chalk formed in the bottom of the cup. The new product formed in this chemical reaction is an example of a				
26	. During investigation #5, we mixed calcium chloride, citric acid and water in a cup.  What was the solvent?				
27	<ul> <li>a. We repeated investigation #5in zip-lock baggies in order to measure the</li> <li>b. We knew this gas could <u>not</u> be nitrogen because</li> </ul>				
28	. What is the name of the table that organizes all of the <b>elements</b> ?				
29	. Some <u>chemical reactions</u> , like, are very slow				
	Others, like are very fast.				
30	. a. How does temperature affect chemical reactions?				
	b. What else affects the speed of chemical reactions?				

31. You learned what <b>molecules</b> are. What is the chemical formula for a water molecule?					
32. What <b>elements</b> are in a water molecule?					
33. During the Mixtures and Solutions unit we worked with several <u>saturated solutions</u> . Think back to those investigations. How do you make a saturated solution? How can you tell when a solution is saturated?					
34. You learned 4 ways to get more <b>solute</b> to dissolve. Name 3.					
35. During the Mixtures and Solutions unit we investigated several <u>chemical reactions</u> . Think back to those investigations. Name three things that happened that told us a chemical reaction had taken place.					
36. Name 3 elements by their <u>chemical symbols</u>					
37. What units did we use to measure <b>mass?</b>					
38. What's the main difference between an <b>element</b> and a <b>compound</b> ?					
39. You have learned what properties are. Name 2 <b>properties</b> of the chalk from investigation #5.					

40. Draw some salt **crystals**.

<u>ANSWERS:</u> 31-H<sub>2</sub>O 32-hydrogen and oxygen 33-keep adding solute until no more will dissolve 34- stir/shake, add heat, add more water, wait longer 35-gas(bubbles/fizzing/etc), temperature change, precipitate (new product) forming 36-hydrogen=H; oxygen=O; sodium=Na (answers will vary) 37-grams 38-an element contains only one substance from the Periodic Table; compounds are combinations of elements that are chemically bonded together. 39-white/insoluble/fine/reacts to vinegar/etc 40-squares with little x's on them

41. Draw and shade three cups to make it look like cup 1 is the most <b>concentrated</b> and cup 3 is the most <b>dilute</b> .
42. Make a sketch that explains the <u>LAW OF CONSERVATION OF MATTER</u> , which says that in any physical or chemical change, matter is neither created nor destroyed but merely rearranged, or changed from one form to another.