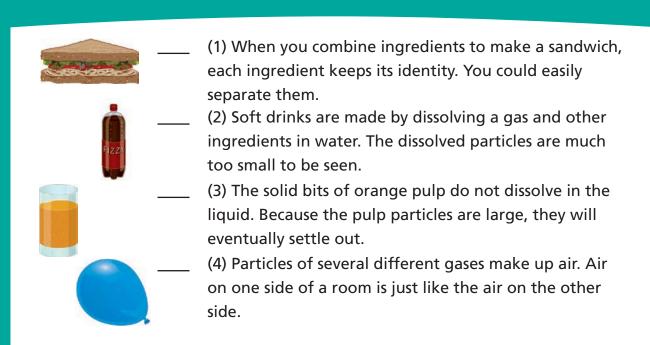
## Sum It Up >>

Write S if the photo and caption describe a mixture that is a solution. Write M if they describe a mixture that is NOT a solution.



## Fill in the missing words to tell how to separate mixtures.

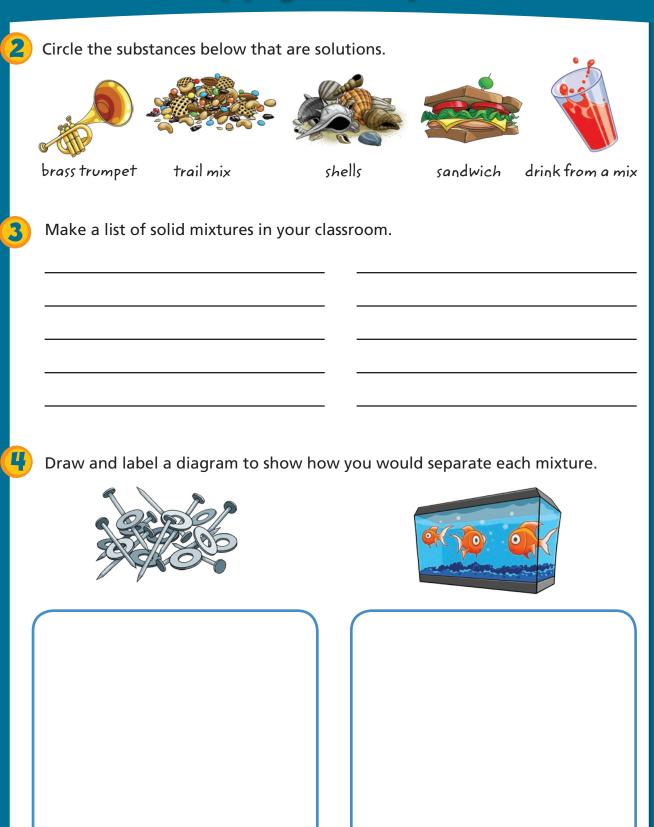
To sort the items in your j	junk drawer, you'd use o	observable (5)	
such as size, color, shape,	and (6)	attraction. But	how would you
separate table sugar, sand	d, and pebbles? Because	the pebbles are	(7)
than the grains of sugar a	nd sand, you could remo	ove them using a	sieve, or mesh
(8)			
You could then add wate	r and shake until the sug	gar (9)	<u>.</u>
If you poured this mixture	e through a coffee (10) <sub>.</sub>		into a beaker,
the (11) v	would be left on the filte	r, but the sugar so	olution would
pass through. Adding hea	at would cause the wate	er to (12)	
leaving solid sugar behin	d.		

Name		

## Vocabulary Review

1	Use the words in the box to complete each sentence.					
	1. Another name for a mesh screen is a					
		Ouring a natter.	ch	ange, there is no	formation of a	new kind of
	3. <i>A</i>	Α	is a tool t	hat attracts obje	cts that contain	iron.
	4. An object that is less dense than water will when it is placed in water.			when it is placed in		
	5. A is an object used to separate very small particles from a mixture.				rticles from a	
	6. The amount of matter in a given volume is called					
	7 is a physical property of an object; for example, round, square, rectangular, or flat.					
	8. The process by which a liquid changes slowly to a gas is					
	9. A is a kind of mixture that has the same composition thorughout.					
	10. A combination of two or more substances that keep their individual identities is a					
	sieve	e sha	ipe	evaporation	solution*	physical
	mag	net mix	kture*	float	filter	density
	* Ke	y Lesson Voca	bulary			

## **Apply Concepts**



5	Answer these questions in terms of what you know about mixtures.		
	a. How would changing the proportions of substances in an alloy change its properties?		
	b. Why is it possible to use physical properties to separate a mixture?		
	c. Recycling help us conserve resources. Draw a line connecting each piece of garbage in a mixed bag with the bin it should be thrown in.		
	milkjug soup can envelope cardboard box		
	soda can water bottle broken pencil		
	Garbage Plastic Aluminum and Tin Paper		
6	Salt seems to disappear when it is poured into water. Use the terms mixture, solution, and dissolve to explain what happens.		

Tell how you would use or	ne or more of these to	ols to separate the mixtures.
Rice from dried soup mix	Salt from saltwater	Nails from gravel
<b>T</b> ell what would happen if	you stirred each of th	— uese cups faster
Tell what would happen if	you stiffed each of th	lese cups raster.
Water and Sugar		Water and



Share what you have learned about mixtures with your family. With a family member, identify examples of mixtures at mealtime, or in places in your home.