## Movement of Energy Name: Period:

As you examine the pictures, fill in the blanks below.

	boil	energy	hotter			
	The flame is making th	e water in t	the kettle			
	The flame is adding			to the wat	er.	
	As more energy is add	·				-
	energy	less	steam			
	As the water boils,			_ comes out of the kettle.		
	The longer the water b	oils, the			water remains	<b>;</b> .
	So, add enough		1	to water, and	water changes	into steam.
	drop energy	flame	hotter	steam		
	Think about what happens when you want to cook some vegetables. They are cut up					
	and dropped in boiling water. The				from the w	ater goes into
	the vegetables, making them			a	and cooking the	m. The
	energy from the under the pot keeps the water boiling.					
	Some of the water esca	ipes as			, causing the w	ater level in
	the pot to					
	boil energy	hot	steam	<i>s</i> wim		
	You now know that adding enough				to a liquid	like water will
	soon make it The		nis means that the water has gotten really			
	, and is changing into					If you see
	a boiling liquid, like this lake in Yellowstone Park heated by volcanic activity,					
	you definitely do not want to take a!					

## turn over for more

## **Movement of Energy**

Name:

Period:

	added frozen lost	rain snow solid					
	Now let's look at what happens to water when energy is removed. As temperatures						
	get colder, (water) will turn into						
	(ice). Energy was	from the wate	er, so the water changed				
	from a liquid to a	Until enough	energy is				
	to the ice, the water will remain						
		solid sunlight					
	As winter ends and spring be	egins, energy from	begins to				
	warm the air. This is added to the ice and snow, a						
	the	water changes into	again.				
		remove spoil					
	Removing energy is also important for preserving food. The						
	in your garage or in your refrigerator has a motor in it that moves chemicals around						
	that	heat energy. The colder you	ur food is (especially meat),				
	the harder it is for the meat t	0	Keeping meat frozen				
	prevents from making the meat rotten.						
		MARY					
Adding energy makes thing	s F	Removing energy makes thing	s				
To make a solid like ice cha	nge into a liquid like water, yo	ou must	energy.				
To make a liquid like water	energy.						
To make a liquid like water	change into a gas like steam,	you must	energy.				
To make a gas like steam c	eneray.						