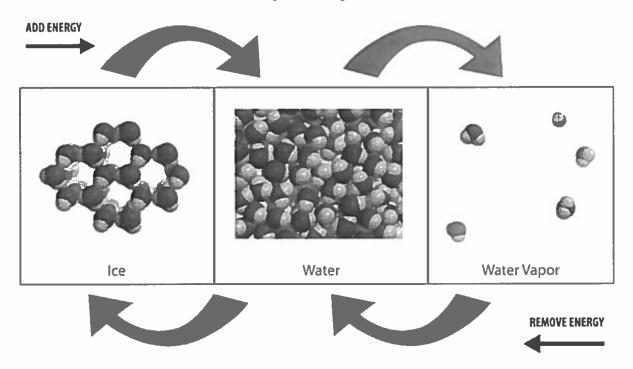
Name		Date	Period	Page
	Changin	g State - Melting	Activity Shee	et .
Objec	ctives:			
	To explain the process of that causes a solid to To explain how the from most other substances			is different
DEM	OSTRATION			
1.	You watched a piece of ice ice?	melt. Where do you	think the energ	y came from to melt the
2.	What do you think happened to the speed of the molecules in the ice when it was heated?			
	ACTIVITY			
	Work with your group to design a way to make ice melt faster. You will need to show that your method really does make ice melt faster, so be sure to use a control. Check your teacher before conducting your experiment.			
	Question to investigate Will ice melt faster?			make
3.	Does you method make ice r	nelt faster?		
	How do you know?			

4. The following diagram uses the space-filling model of water to represent the arrangement of water molecules when it is a solid, liquid and a gas.



How are the state changes of water similar to the state changes in most other substances?

How are the state changes of water different from the state changes in most other substances?

5. Do regular ice and dry ice melt in the same way?

How do you know?

6. You saw that dry ice sublimates very quickly in water. Why does it sublimate even faster in hot water?