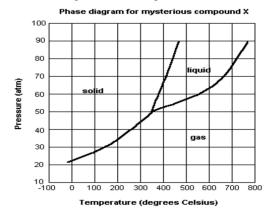
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## **Basic Skills Packet: Water**

 $\label{eq:phase Diagrams} Phase \ Diagrams \\ For each of the questions on this worksheet, refer to the phase diagram for mysterious compound \ X.$ 

What is the critical temperature of compound X?



2)	If you were to have a bottle containing compound X in your closet, what phase would it most likely be
	in?

3)	At what temperature and pressure will all three phases coexist?

4)	If I have a bottle of compound X at a pressure of 45 atm and temperature of $100^{\circ}$ C, what will happen it raise the temperature to $400^{\circ}$ C?

Traise the temperature to 400°C.	

5) Why can't compound X be boiled at a temperature of 200° C?
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(	)	) .	lf .	l wanted	to,	could	1 1	drink	compound	1 2	X	