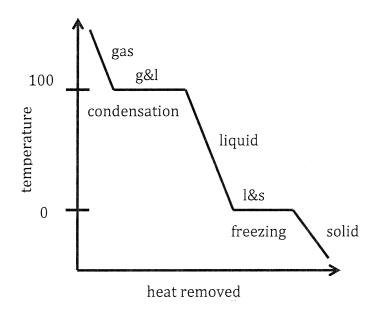
- 1. Identify the following phase changes:
 - a. water turns to ice
 - b. in a warm room, glasses fog up
 - c. dry-ice in an ice cream truck disappears
 - d. wet clothes dry on a clothesline

freezing
3
condensation
sublimation
evaporation

2. Calculate how many calories are released when 42 g of water is condensed. Heat of vaporization of water is 540 cal/g.

$$42g H_{20} \times \frac{540 \text{ cal}}{1g H_{20}} = 23,000 \text{ cal}$$
 or $2.3 \times 10^{9} \text{ cal}$

3. Cooling Curve of Water



2	What is the	ctata	of water	at 15°C2
<i>a</i> .	vviiai is ine	SIGIE	UI WALEL	41 1.) (.:

- b. What is the freezing point of water?
- c. What is the state of water at -5°C?
- d. What is the condensation point of water?
- e. Which states are present at 100°C?

liquid
0°C

solid	
100°C	
1.	