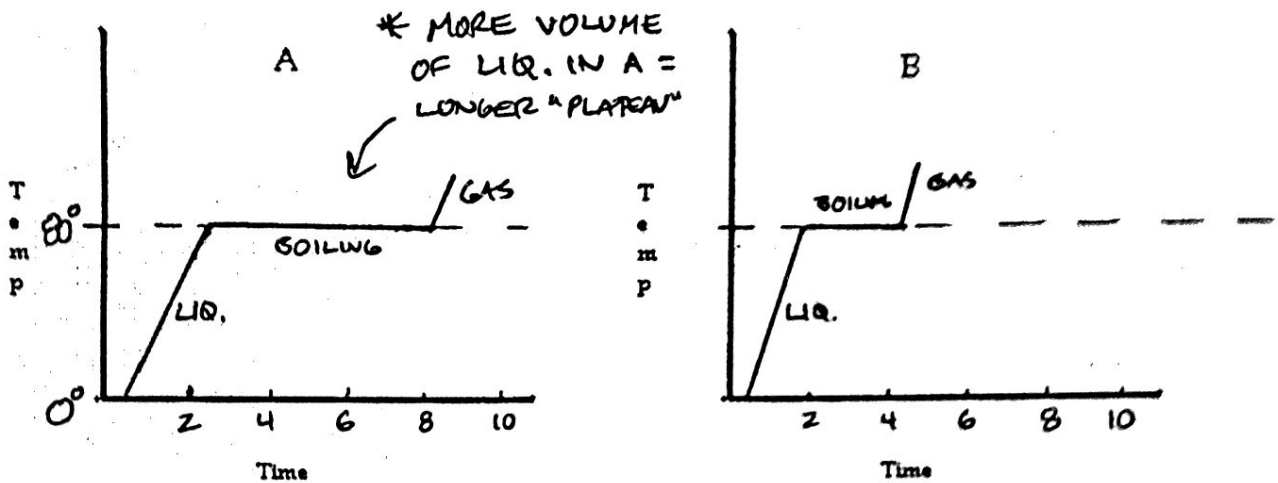


SOLUTIONS

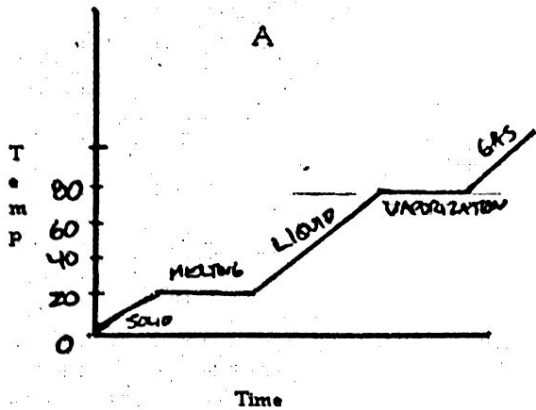
Change in State

Sketching time/ temperature graphs

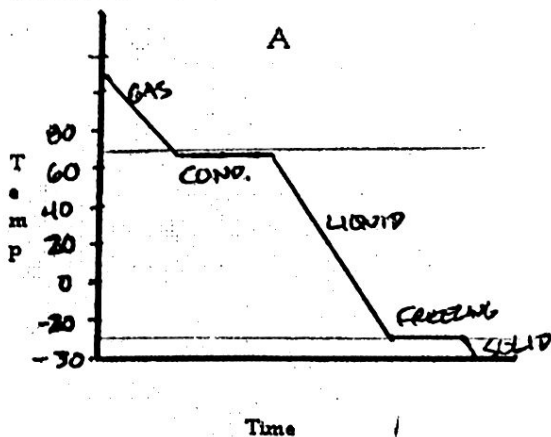
1. Sketch two time / temperature graphs for two identical liquids that boil at 80°C . There is twice as much liquid in graph A as there is in graph B.



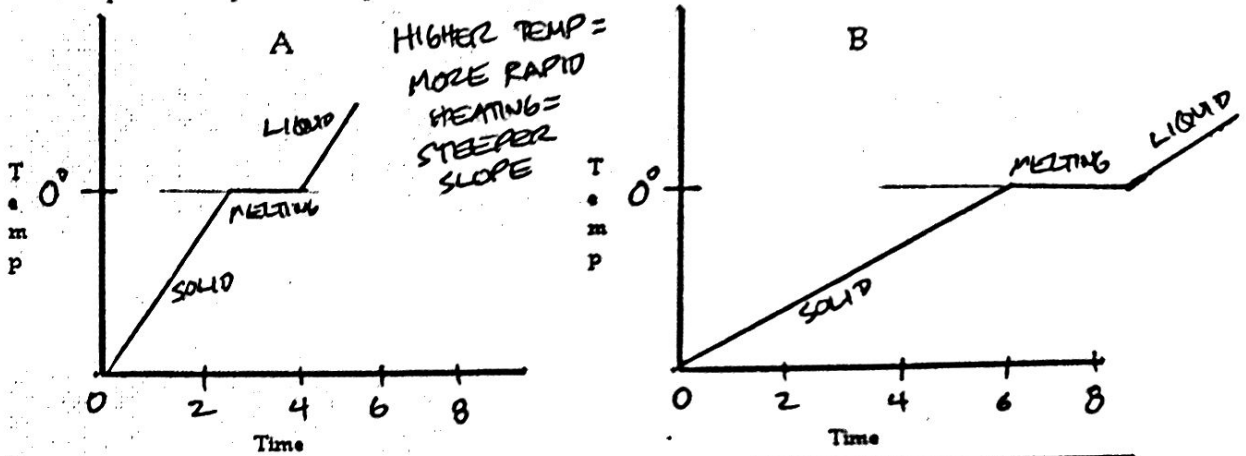
2. Sketch a time temperature graph for a substance that is being heated, melts at 20°C and vaporizes at 75°C .



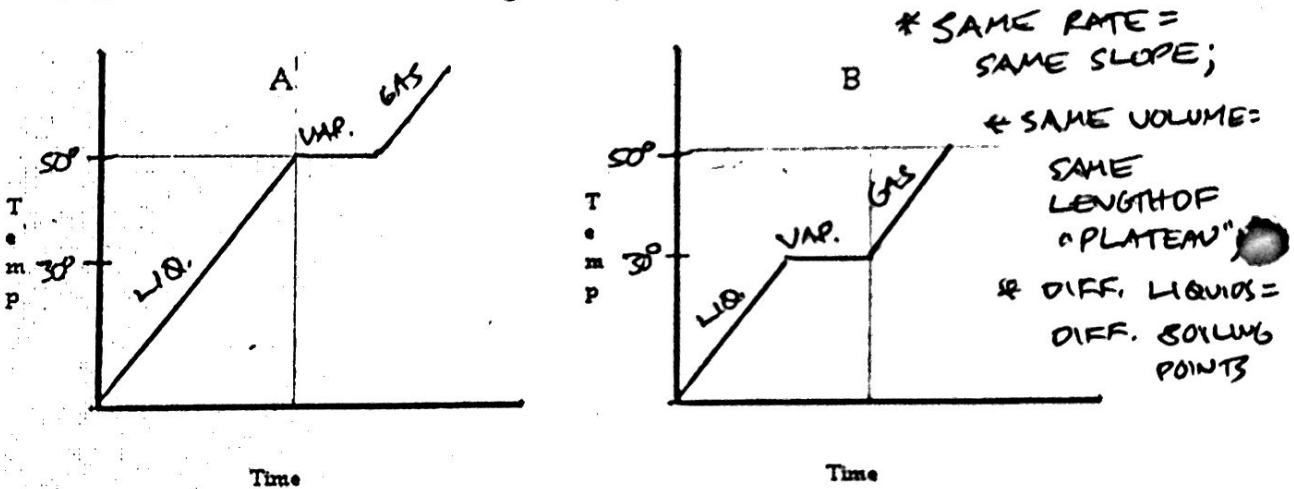
3. Sketch a time/temp graph for a substance that is cooling, condenses at 63°C and freezes at -25°C .



3. Sketch two time / temperature graphs for water heating and going from a solid to a liquid. Graph A is exposed to a higher temperature than graph B.



4. Sketch two time / temperature graphs for two different liquids being heated at the same rate and same volume turning into vapor.



5. Sketch two time / temperature graphs for two different liquids cooling, going through a phase change and turning into solids.

