

# Exam #7 Objectives



## CHEM 1100 General Chemistry II

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### Text Reading

Chapter 11: sections 6, 7

### Homework Assignment

McGraw-Hill LearnSmart and Connect online assignments.

### Concepts

1. Identify the three (typical) physical states of matter and their corresponding phase changes.
2. Given the appropriate information, draw a simple three-phase phase diagram and identify a triple point, the critical point, the normal boiling point, the normal melting point, and the transition lines between solid and liquid, liquid and gas, and solid and gas phases.
3. Working from a phase diagram, determine the relative densities of the liquid and solid phases.
4. Demonstrate a working vocabulary of the following terms:

condensation  
boiling  
boiling point  
critical point  
deposition  
freezing  
fusion

gas  
liquid  
melting  
melting point  
normal  
phase  
phase change

phase diagram  
solid  
sublimation  
supercritical fluid  
triple point