

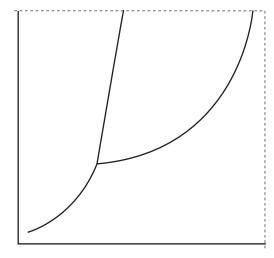
Name_____

Determining the Phase Changes of Carbon Dioxide Worksheet

Discussion Questions

- 1. Note what was happening in the apparatus at the following moments during the demonstration.
 - a. When the solid CO₂ was first enclosed in the apparatus
 - b. When the pressure stabilized (also give the pressure measurement here)
 - c. When the solid CO₂ was covered by the liquid carbon dioxide
 - d. When the pressure in the apparatus was released
- 2. Explain how the triple point was reached within the apparatus.
- 3. Below is a phase diagram for CO₂. Label each area on the diagram with the appropriate phase. Also mark and label the triple point.





Temperature (°C)