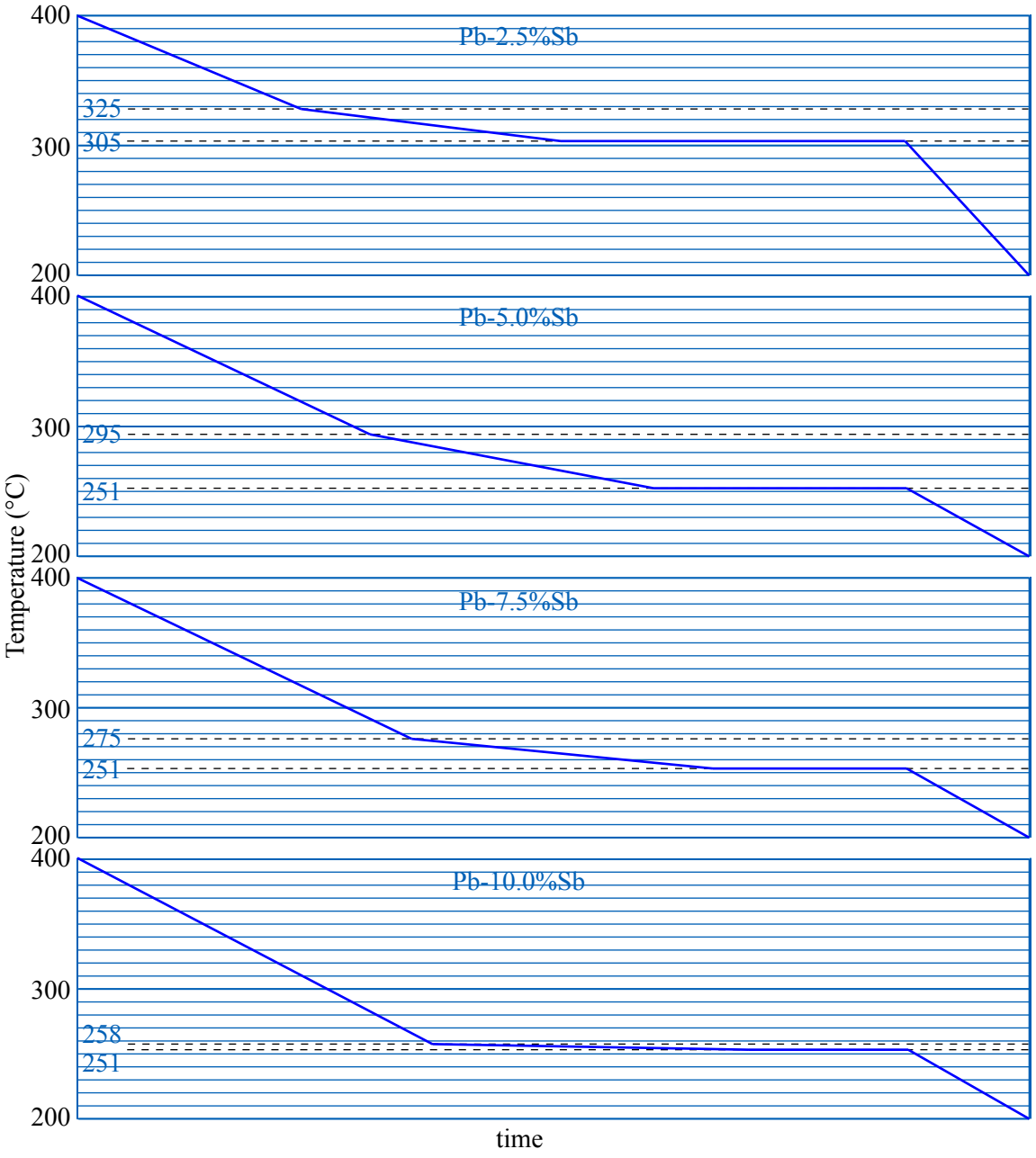

Figure 2 Schematic cooling curves for four (4) lead-antimony alloys with lower Sb composition. Note how the changes in slope and broad thermal arrests correlate with the phase diagram presented in Fig. 4.

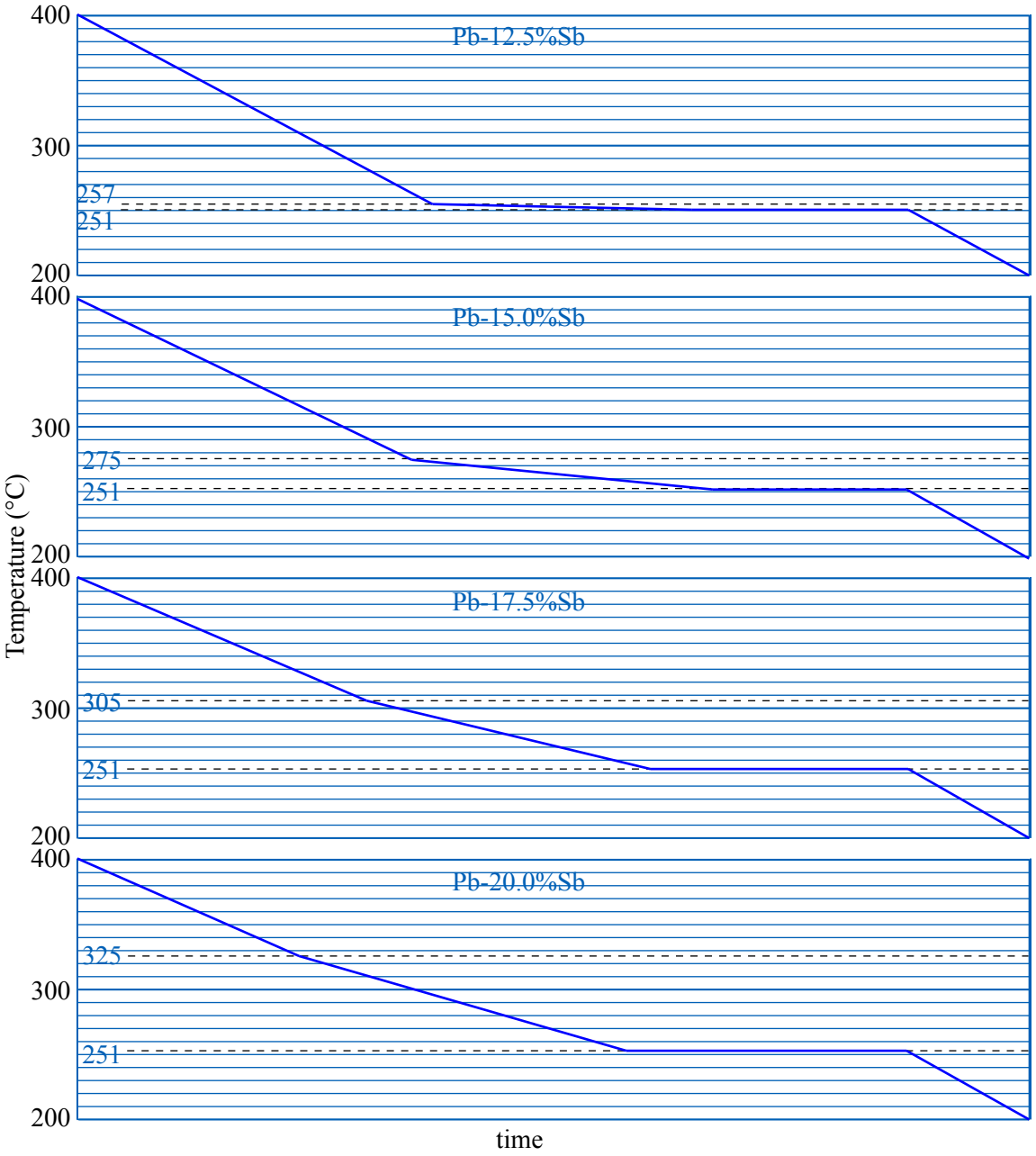

Figure 3 Schematic cooling curves for four (4) lead-antimony alloys of higher Sb composition. Note both the changes in slope and broad thermal arrests correlate with the phase diagram presented in Fig. 4.

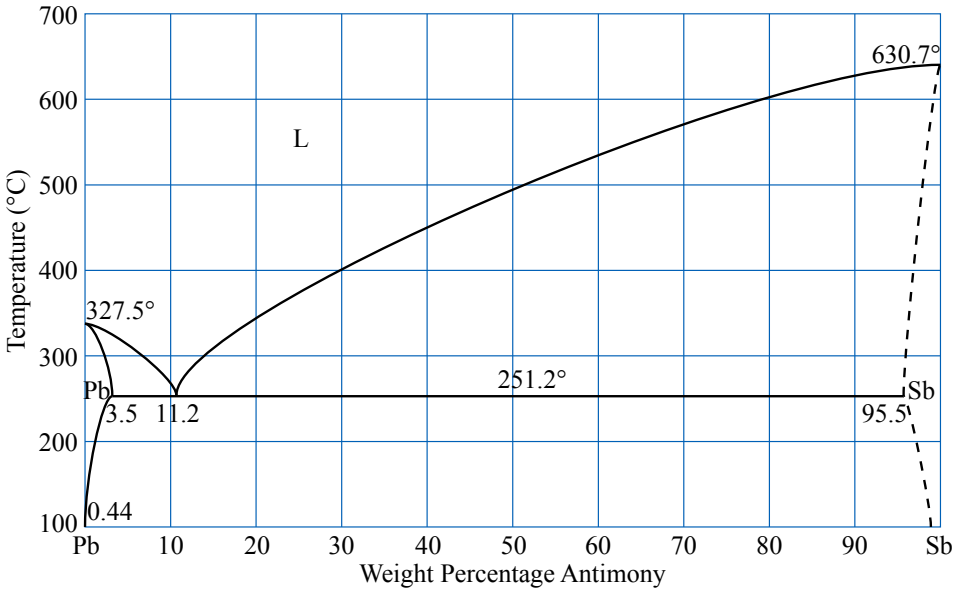

Figure 4 Pb-Sb binary alloy phase diagram, from the *Metals Handbook*, 8th Edition, Volume **8**, American Society for Metals, Metals Park, Ohio (1973), p. 329.

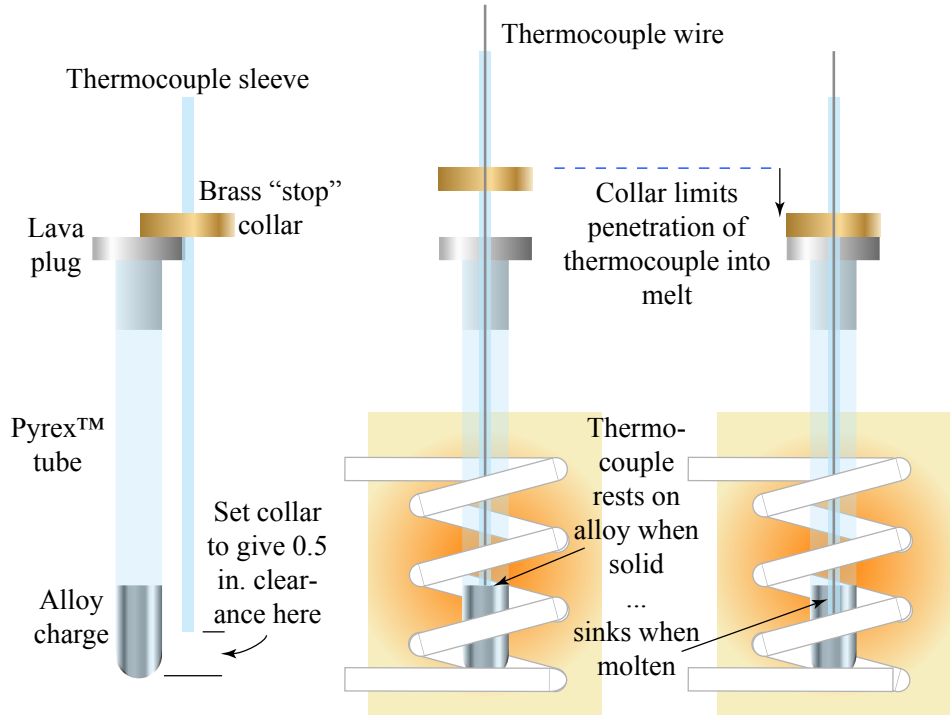

Figure 5 Schematic showing experimental set-up for determining cooling curves. A small gap at the bottom of the Pyrex™ tube assures that the thermocouple is reading the temperature of the alloy and not the glass containment vessel. The gap is measured as shown at left. After melting, the thermocouple sinks into position, as shown on the right.