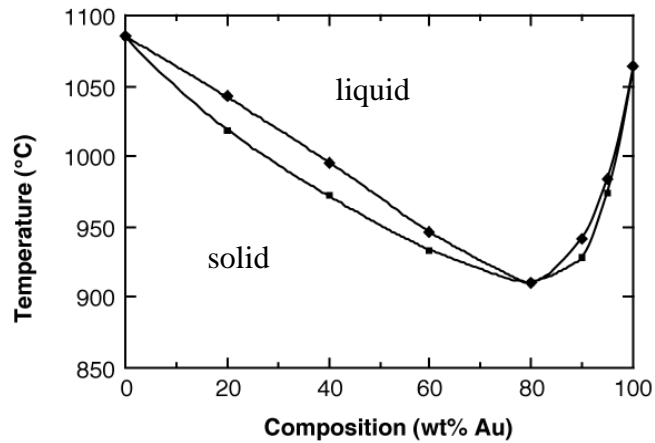


Shown below is the phase diagram for the Cu/Au system. Describe what would be seen as a sample of the alloy is heated from 900 to 1100 °C.

Marks
3



The solid would warm to 950 °C where melting would begin.

From 950 - 960 °C, the solid and liquid phases would co-exist. This should be compared to the behaviour of a pure substance where there is no increase in temperature whilst the solid melts.

Above 960 °C, only liquid is present.