

OWEN EVANS

MATERIALS AND INTRODUCTION TO PROCESSES

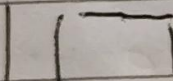
AMALGAMS

d. 60% TIN AT 600°C = LIQUID.

420°C - BOUNDARY BETWEEN LIQUID AND SILVER/TIN LIQUID COMPOUND. STATE OF MATERIAL IS LIQUID, HOWEVER, SMALL CRYSTALS OF SILVER AND OF TIN FORM WITHIN LIQUID.

221°C - BOUNDARY BETWEEN LIQUID AND SOLID. STATE OF MATERIAL IS NOW SOLID, WITH ENLARGED SILVER AND TIN CRYSTALS JOINING WITH EACH OTHER TO FORM GROWN BOUNDARIES.

e.



THERMAL ARREST

LIQUID

(LIQUID + SOLID)