

TOPIC

Materials – Section IX – Question 10

QUESTION

Solid state reactions are associated with

- (A) diffusion and volume change
- (B) viscoelastic deformation
- (C) liquid phase
- (D) all of the above

HINT

Solid state reactions are associated with materials transport in the solid state.

SOLUTION

Solid-state reactions are associated with diffusion in solid state, and are accompanied with volume distortions and as a result, high residual stresses.

ANSWER

(A)

CONTRIBUTOR

Alex Volinsky