

TOPIC

Material Properties – Section IX - Question 2

QUESTION

The slip plane for a FCC crystal is

- (A) $\langle 111 \rangle$
- (B) (110)
- (C) {111}
- (D) [111]

HINT

Which set of planes has the highest planar density?

SOLUTION

The set of planes {111} has the highest planar density. Hence, the slip plane for the FCC crystal is {111}.

ANSWER

(C)

CONTRIBUTOR

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