

$$= 2.40 \times 10^{-23} \text{ cm}^3/\text{unit cell}$$

And, finally

$$\begin{aligned} a &= (V_C)^{1/3} \\ &= (2.40 \times 10^{-23} \text{ cm}^3/\text{unit cell})^{1/3} \\ &= 2.89 \times 10^{-8} \text{ cm} = 0.289 \text{ nm} \end{aligned}$$