

TOPIC

Chemistry – Section III – Question 3

QUESTION

1000 liters of water vapor at 25°C and a pressure of 10 mm Hg are condensed into a single liquid droplet of density 1 gr/ml. The volume of this liquid droplet in ml most nearly is

- (A) 9.720
- (B) 88.00
- (C) 116.0
- (D) 7360

HINT

Equate moles of water in the droplet to moles of water vapor at 25°C and 10 mm Hg.

CONTRIBUTOR

Scott Campbell