

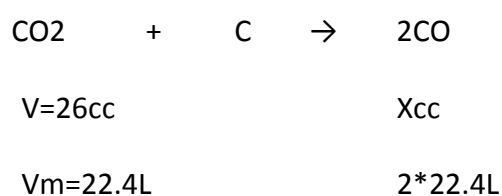
Answer on Question #21206, Chemistry / Physical Chemistry

Conditions: 26cc of CO₂ are passed over red hot coke. The volume of CO evolved is-

(i) 15cc (ii) 10cc (iii) 32cc (iv) None

Solution:

The reaction is presented below:



Here of

$$26\text{cc}/22.4\text{L} = X\text{cc}/(2*22.4\text{L})$$

$$X = 26\text{cc} * 22.4\text{L} * 2 / 22.4\text{L} = 52(\text{cc})$$

Answer: (iv) None