

(Composition of the modern atmosphere)

Q1. (2024)

$$\begin{aligned} \text{(volume of oxygen} &= 3.50 \times \frac{1}{2} =) \\ &1.75 \text{ (dm}^3\text{)} \end{aligned}$$

$$\text{(volume of air} =) 1.75 \times \frac{100}{20}$$

$$= 8.75 \text{ (dm}^3\text{)}$$