

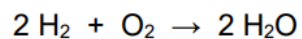
(Composition of the modern atmosphere)

Q1. (2024)

Air is 20% oxygen.

Calculate the volume of air needed to provide enough oxygen to react with 3.50 dm^3 of hydrogen gas.

The equation for the reaction is



[3 marks]

Volume of air = _____ dm^3