

TOPIC

Chemistry – Section III – Question 6

QUESTION

How many moles of air would you need to completely oxidize 1 mol of octane (C_8H_{18}) into CO_2 and H_2O ? Air is approximately 21 mol % O_2 and 79 mol % N_2 .

- (A) 2.6
- (B) 3.3
- (C) 12.5
- (D) 59.5

HINT

Write a balanced chemical reaction for the oxidation.

CONTRIBUTOR

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