

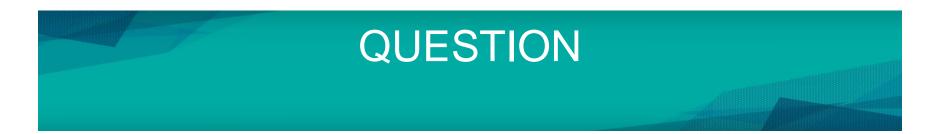
## Chemical Reaction Engineering I

## Quiz 4

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An isothermal elementary gas-phase reaction is carried of plug flow reactor without pressure drop. The reaction is as follows;

 $(CH_3)_3COOC(CH_3)_3 \rightarrow C_2H_6 + 2CH_3COCH_3$ 

Pure reactant enters the reactor at a pressure of 10 atm and temperature 127°C and a molar flow rate of 2.5 mol/min.

Construct stochiometric table. Explain the method to estimate the size of the reactor





## Authors Information

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