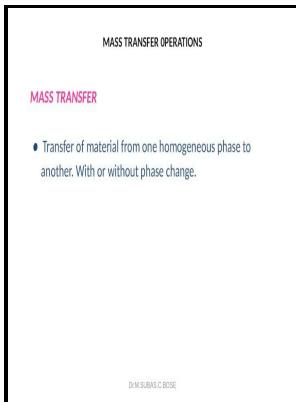


# Mass-transfer operations.

## McGraw-Hill - Mass Transfer — Introduction to Chemical and Biological Engineering



Description: -

-Mass-transfer operations.

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McGraw-Hill series in chemical engineering Mass-transfer operations.

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### Mass Transfer — Introduction to Chemical and Biological Engineering

Concentration profiles The concentration profile owing purely to diffusion through a medium with constant material properties and no reaction is linear.

### important Questions and Answers: Mass Transfer

The fluid in the tank is pumped into another tank. The diffusion rate is given by the Fick law, which states that molar flux of an element per unit area is directly proportional to concentration gradient. STATE FICK'S LAW OF DIFFUSION? Mass transfer by convection involves the transport of material between a boundary surface such as solid or liquid surface and a moving fluid or between two relatively immiscible, moving fluids.

### Mass Transfer — Introduction to Chemical and Biological Engineering

### important Questions and Answers: Mass Transfer

Assume that urea is diffusing out of the cell at steady state and that the environment both inside and outside of the cell is well mixed.

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