



Mass Flux Profile: Task 1

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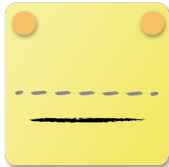
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The image describes a body with a given concentration difference from its left to right boundary.

As concentration is the driving potential for mass diffusion, mass is transferred within the body. Fick's law states that mass transport is directed towards the lower concentration. With mass flux towards the right being defined as positive, this yields a negative mass flux. Mass conservation states that mass flux is constant for a steady state.



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