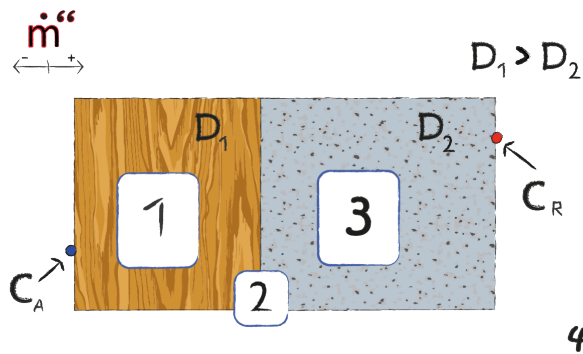
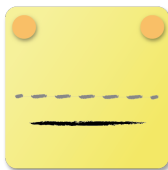


## Mass Flux Profile: Task 4



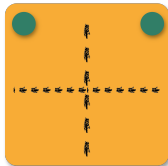
The image describes a body consisting of two sections with a greater diffusion coefficient in the left section. There is a concentration difference from left to right.

1



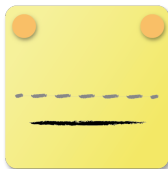
As concentration is lower at the left, mass is transported in this direction.

2



Hence, mass flux is negative in this case.

3



Mass conservation states, that mass flux is constant, regardless of the diffusion coefficient.