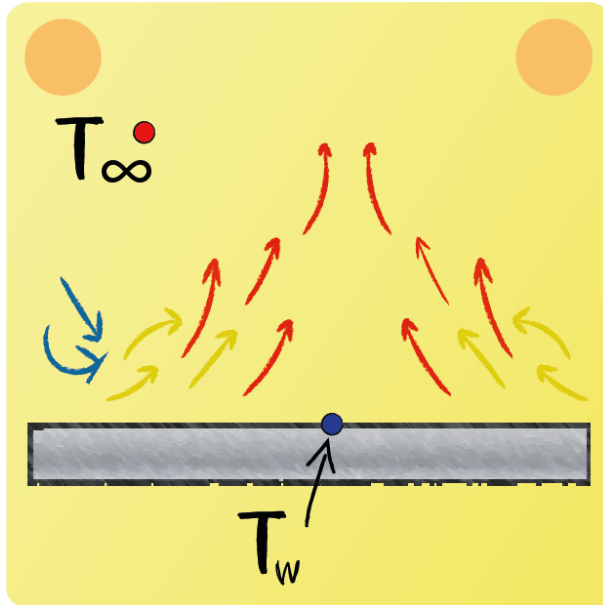


Lecture 1 - Question 3



Choose the statements which describe natural convection.

- Cooling down a boiled egg when kept in the normal air.
- An cool soda can that is heating up over time.



Natural convection is a mechanism of heat transportation in which the fluid motion is caused by buoyancy, the difference in fluid density occurring due to temperature gradients. This difference is naturally caused by the egg releasing heat to the environment and the soda can extracting heat from the environment. Which will change the properties of the surrounding fluid. In the melting of an iceberg, the wind plays a major role and this is therefore more seen as a forced convection situation.