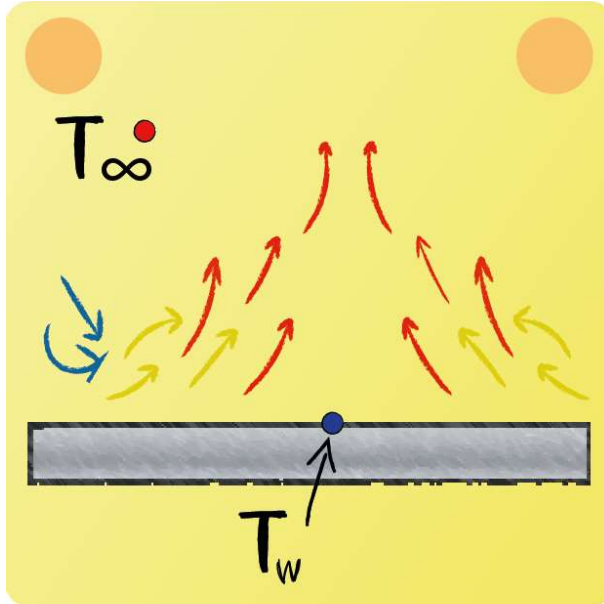


Lecture 1 - Question 3



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.
- An iceberg that is melting.



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 and iceberg extracting heat from the environment. Which will change the properties of the surrounding fluid.