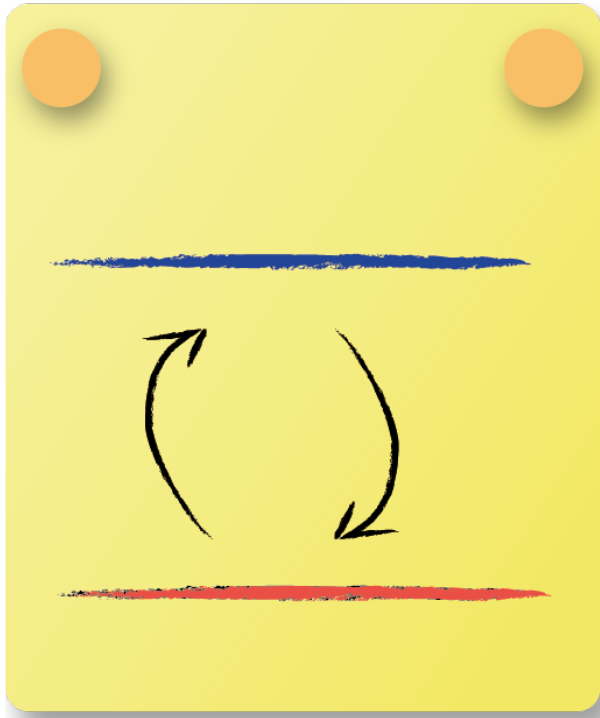


Lecture 7 - Question 3



Which statements are correct regarding the Rayleigh-Benard convection between two plates?



A Rayleigh-Benard convection is based on temperature induced density differences within a fluid between two horizontal plates. The fluid is heated by the hot plate at the bottom and generally its density therefore decreases. Buoyancy forces cause a motion in the opposite direction of gravitational forces which in this case points towards the cold plate.