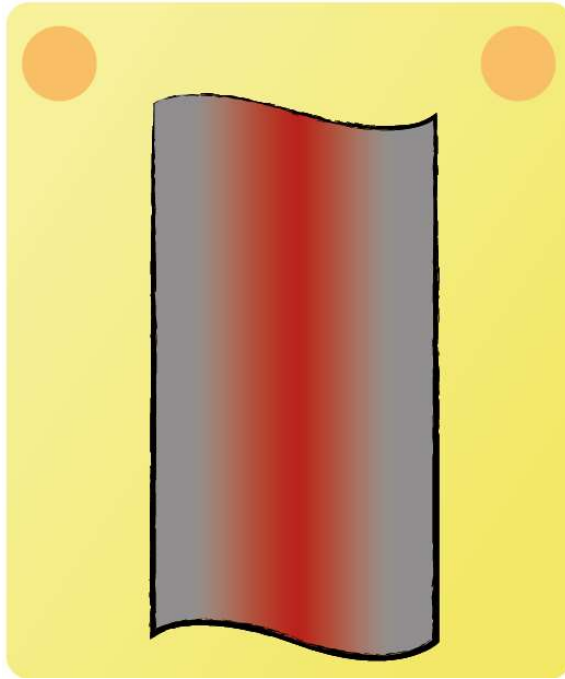


Lecture 16 - Question 1



What is the definition of the thermal diffusivity a ?



Measurement of the rate of transfer of heat in a material from the hot end to the cold end. Thermal diffusivity is the thermal conductivity divided by density and specific heat capacity at constant pressure. It measures the ability of a material to conduct thermal energy relative to its ability to store thermal energy.