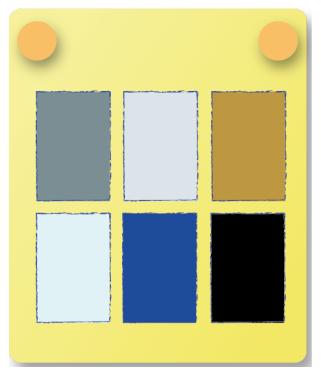


Lecture 1 - Question 3



Select the answer in which the materials are listed in ascending order of thermal conductivity.

Air - Oil - Water - Stainless steel - Aluminium - Copper



A rough classification can be obtained by examining the material's state of aggregation. Besides few exceptions the thermal conductivity of liquids exceeds that of gases. Thermal conductivities of solids vary in a wide range from isolating to highly conductive. Highest thermal conductivities are usually observed in metals.