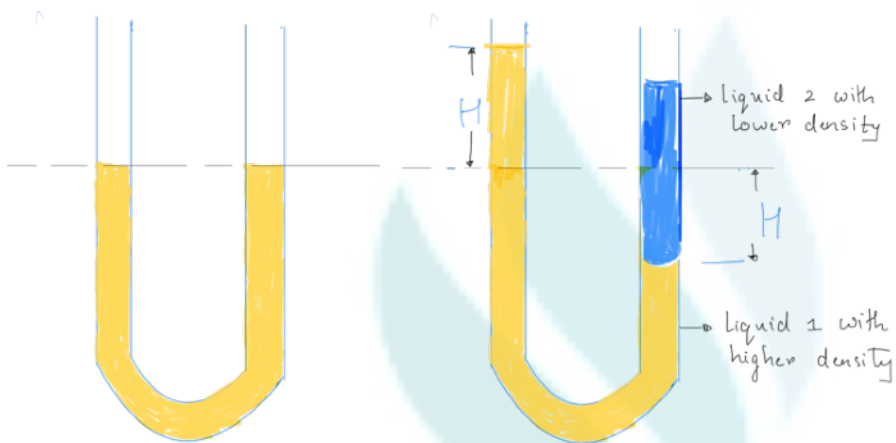


MYP - liquid displacement in U shaped tubes - Criteria B

Reference - If two liquids of different densities are placed one above the other, the liquid with a lower density floats above the liquid with higher density. The liquid above also exerts pressure on the liquid below it. As the liquid above exerts pressure, liquid below is pushed down and rises on the other side of the U shaped tube.

Use the reference diagram shown below and frame an investigation with dependent variable as the rise of liquid on the other side of the tube. Name this variable as H



Identify 1 control variable.

C

Identify 1 Independent variable which affects the height H on the other side.

Your investigation must include.

1. Independent variable
2. Dependent variable
3. Two controlled variables

Research question

Hypothesis.

Method of investigation.