

## Sugar Rainbow Density

## **Quiz and FAQ**

- 1) What would happen if all solutions had the same density?
- -The colours would be disposed side-by-side
- -The colours would degrade
- -The colours would be mixed
- -The colours would be disposed in the opposite way
- 2) If a sugar solution is poured in a glass, it will end up at the bottom of the glass. True or false?
- -True
- -False
- 3) What would happen to boats if the density of the ocean seriously decreases?
- -The boats could not move forward
- -The boats would be waterlogged
- -The boats would be pushed out from the sea
- -The boats would turn upside down



- 4) What is the function of the food colouring in this experiment?
- -To colourise non-coloured liquids
- -To give flavour to the water
- -To change the liquid density
- -To change the resistance
- 5) In this experiment, the red solution keeps on top of the other solutions. Why?
- -Because it is lighter
- -Because it is brighter
- -Because it has less density
- -Because it is heavier



## **Answers**

- 1) What would happen if all solutions had the same density? The colours would be mixed
- 2) If a sugar solution is poured in a glass, it will end up at the bottom of the glass. True or false?

  True
- 3) What would happen to boats if the density of the ocean seriously decreases?

  The boats would be waterlogged
- 4) What is the function of the food colouring in this experiment? To colourise non-coloured liquids
- 5) In this experiment, the red solution keeps on top of the other solutions. Why?
  Because it has less density

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