



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