

# Mateo y Cientina



## THIS WEEK: SWIRLING COLORS!

CHECK THIS OUT! PUT A FEW DROPS OF FOOD COLORING IN WATER, AND SEE WHAT HAPPENS.

LET'S DRAW THE SHAPES AND SHOW HOW THEY SPREAD.



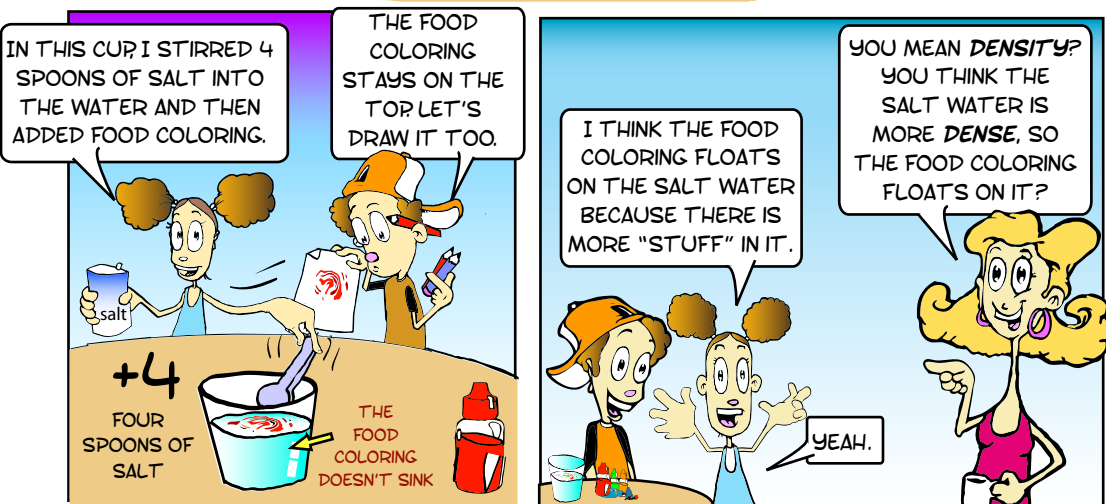
IN THIS CUP I STIRRED 4 SPOONS OF SALT INTO THE WATER AND THEN ADDED FOOD COLORING.

THE FOOD COLORING STAYS ON THE TOP LET'S DRAW IT TOO.

I THINK THE FOOD COLORING FLOATS ON THE SALT WATER BECAUSE THERE IS MORE "STUFF" IN IT.

YOU MEAN DENSITY? YOU THINK THE SALT WATER IS MORE DENSE, SO THE FOOD COLORING FLOATS ON IT?

YEAH.



+4  
FOUR SPOONS OF SALT

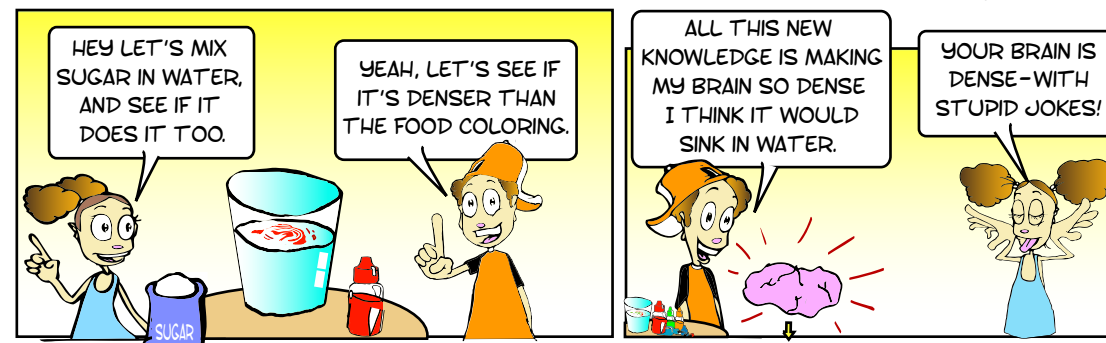
THE FOOD COLORING DOESN'T SINK

HEY LET'S MIX SUGAR IN WATER, AND SEE IF IT DOES IT TOO.

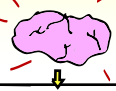
YEAH, LET'S SEE IF IT'S DENSER THAN THE FOOD COLORING.

ALL THIS NEW KNOWLEDGE IS MAKING MY BRAIN SO DENSE I THINK IT WOULD SINK IN WATER.

YOUR BRAIN IS DENSE - WITH STUPID JOKES!

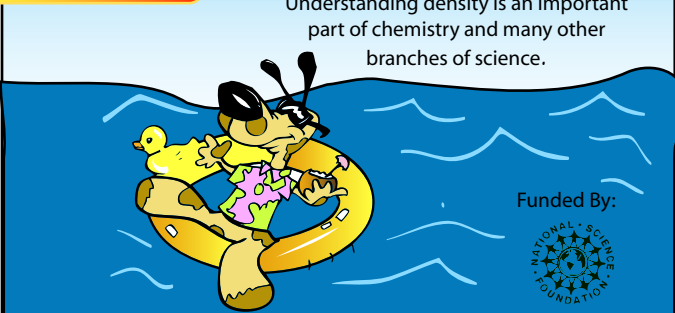


SUGAR



### SO WHAT? ...

A liquid or a solid that is less dense will float on a liquid that is more dense. Understanding density is an important part of chemistry and many other branches of science.



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