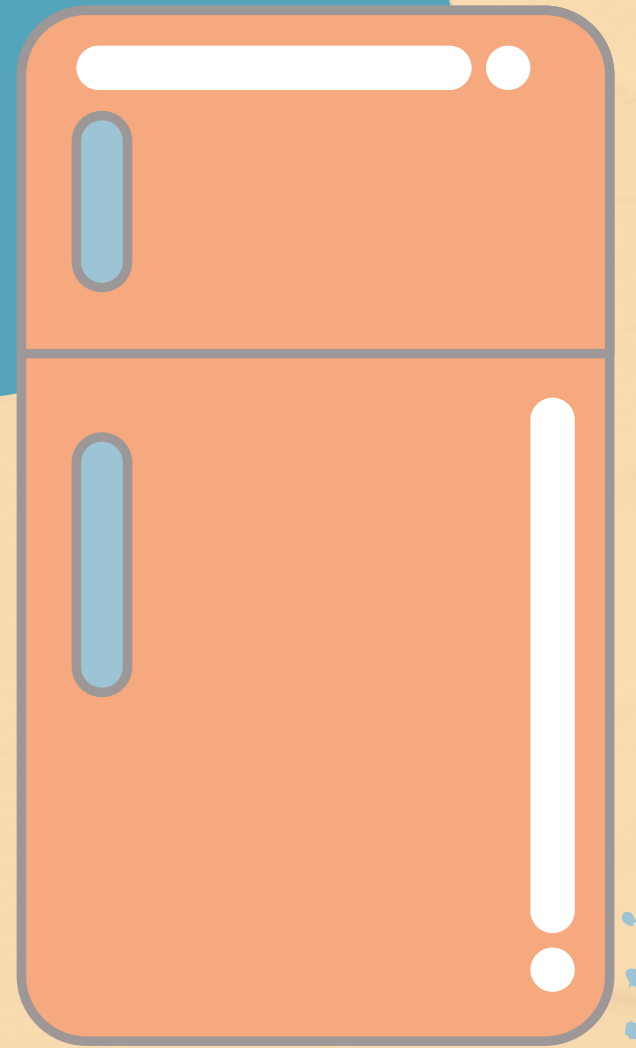
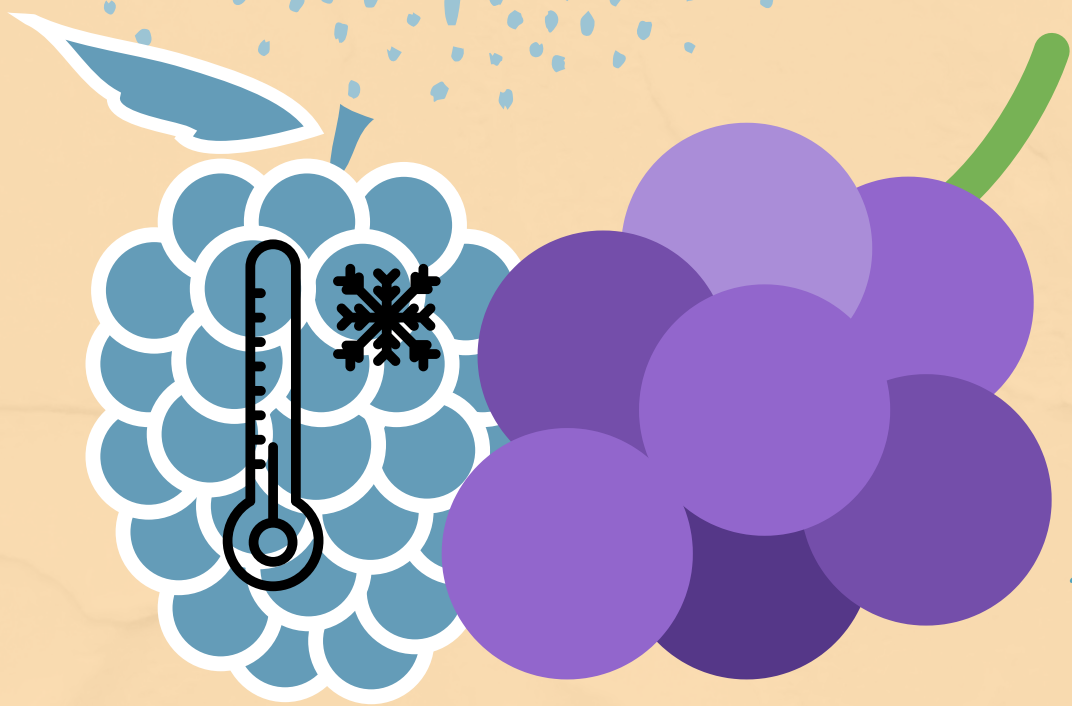


# Does ice make grape juice sweeter?



1

Divide your grapes. Put half in the freezer and half in the fridge

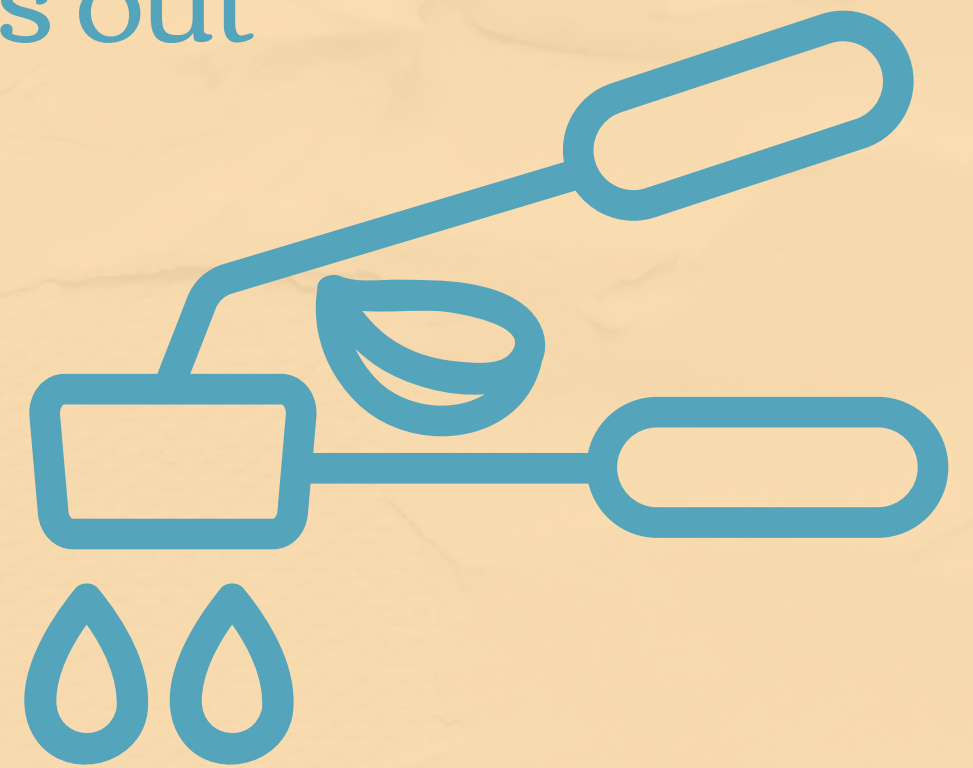


2

Once the grapes in the freezer are frozen, take both types of grapes out

3

Using a citrus juicer, press the fridge grape to get the juice into a bowl



4

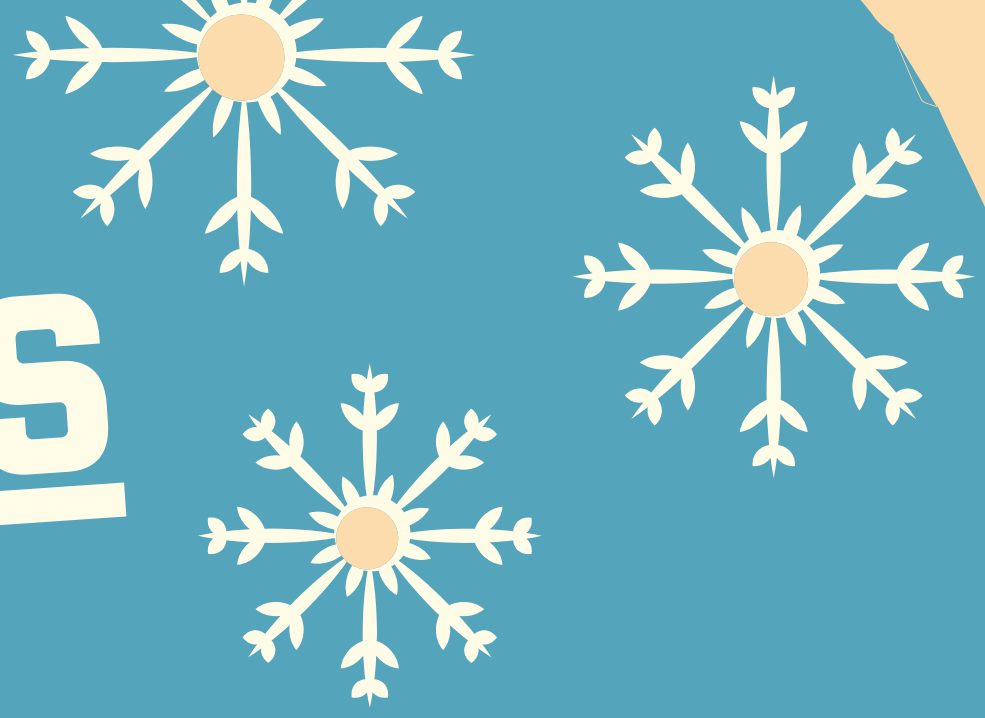
Do the same thing with the frozen grape in a different bowl

5

Is there a difference in the amount of juice in each bowl? Taste the juice, which is sweeter?



# Observations



## Regular grapes

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## What do they

- look like?
- feel like?
- smell like?
- taste like?

## Frozen grapes

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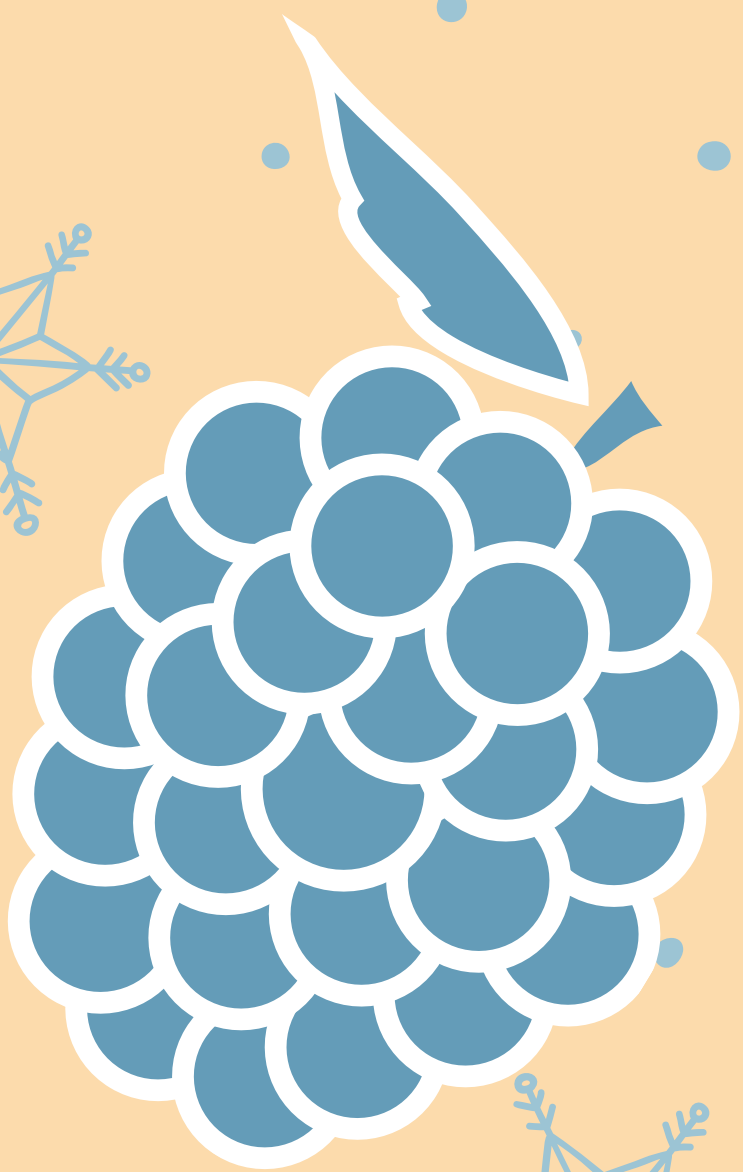
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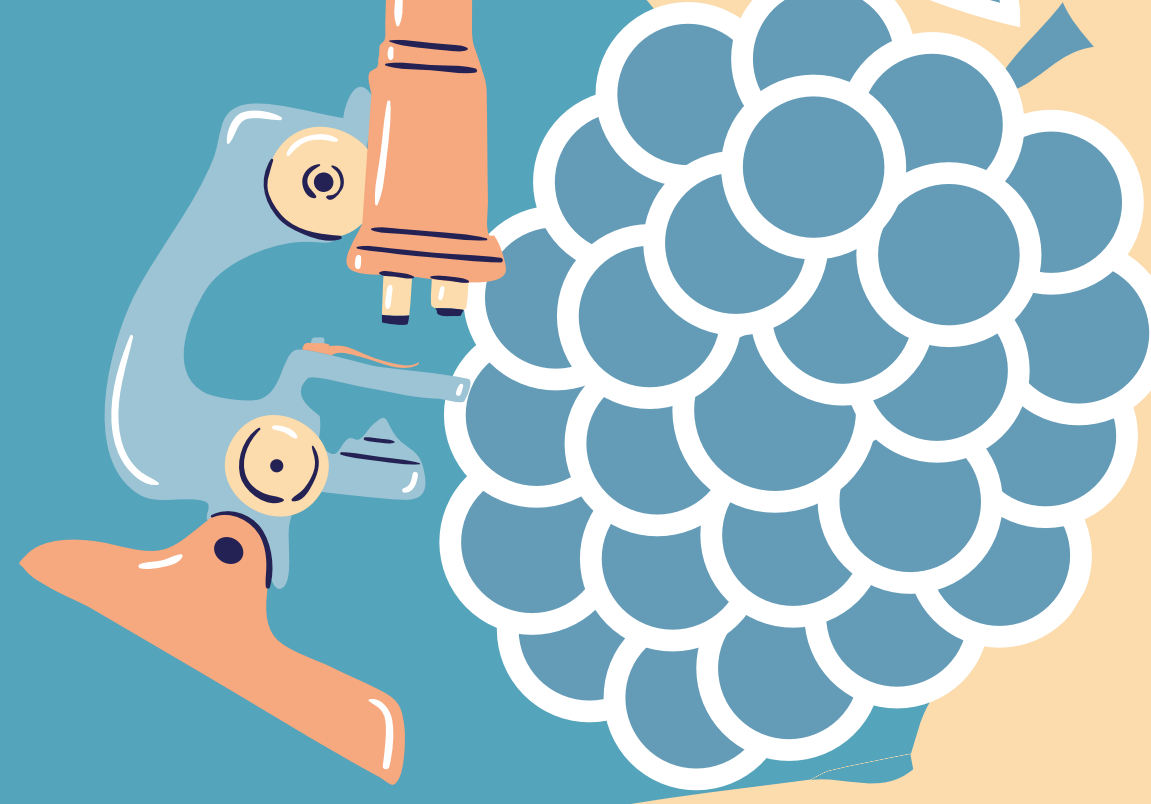
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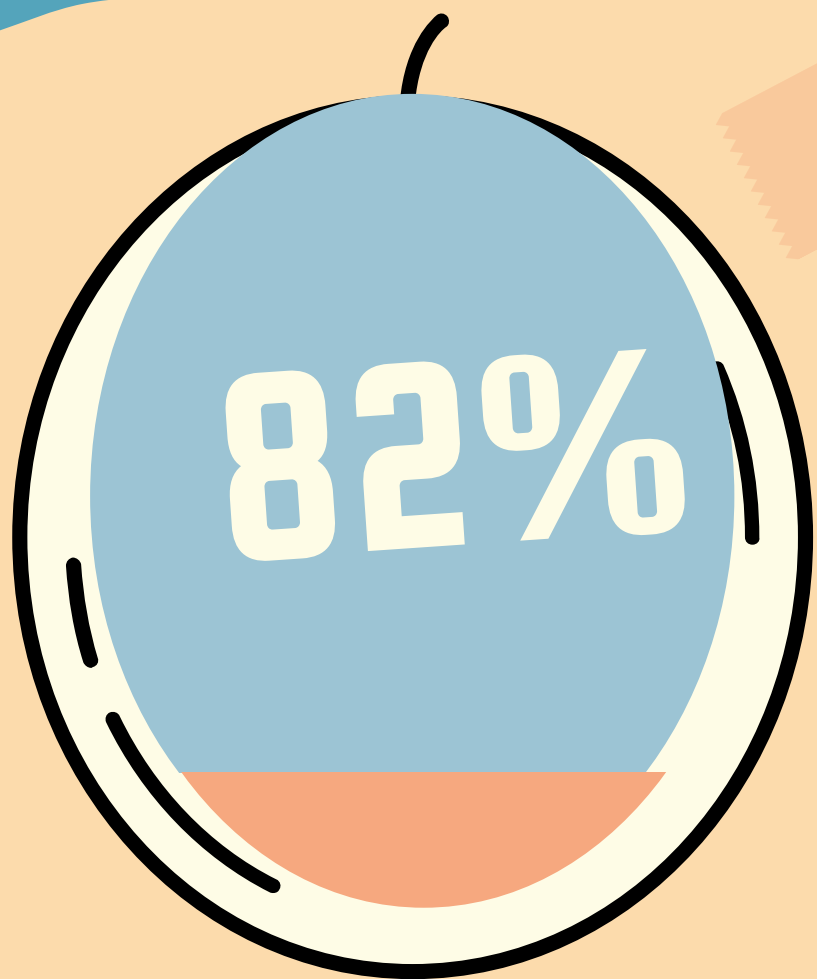


# The Science

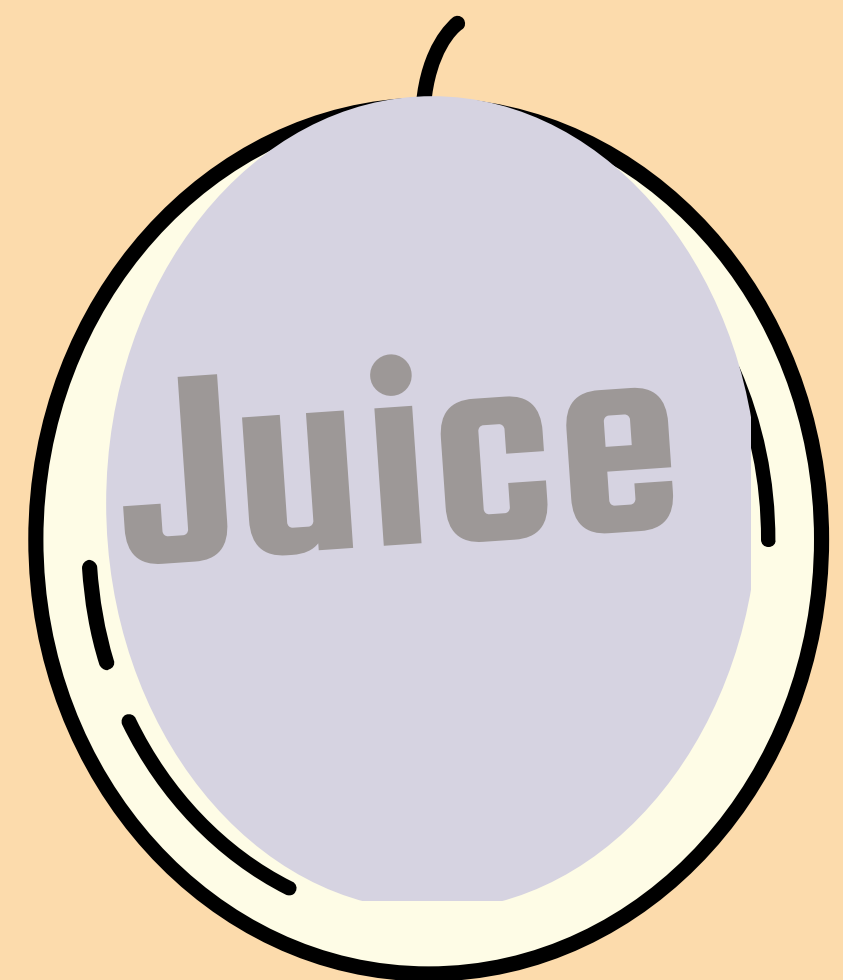


Grapes are normally made of approximately 82% water

The rest is a mixture of sugar and other substances



In a normal grape, this water and sugar is all mixed together in the form of juice



When grapes are frozen, the water turns to ice

The sugar doesn't freeze and gathers all together in a thick, sweet syrup. This is the drop of juice you get from the grape

