

Jan 7Test Jan 17

1. Why does the can of diet coke float in water while regular coke sinks?
2. What can be done to make regular coke float?

Egg mass = 66g

water 1g = 1ml = 1cm³if egg floats density is less than 1 $\frac{g}{ml}$ Density = $\frac{M}{V} = 1 \frac{66g}{66ml}$ -sinks > 1 $\frac{66g}{60ml}$ -floats < 1 $\frac{66g}{70ml}$ -

It sinks!

So... volume less than 66 ml
66 cm³

1. Observations of the spoiled floating pop cans demonstration.
2. Hypothesis about what happened.

Think it over problem
Heavily laden Boat goes
"carrying"
from the ocean into a
river, ... and sinks. why?