

## Investigation 5 - convection / density

bob notebook set up

pages 147-155

147  
Conclusion -

Journal entries  
date \_\_\_\_\_

Journal page

variables -

date \_\_\_\_\_

date \_\_\_\_\_

glossary words

convection

density

volume

displacement

writing at top of page

written page

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**density**

investigation 5 convection

$d = \frac{m (g)}{V (cc)}$

define density -

egg of object	mass	volume	density
A			
B			
C			
D			
E			
F			

138 bob

149 density - investigation 5

**egg demonstration**

part 1 salt shaker

describe what happens:

why does this happen?

find the density of different concentrations of salt water.

the empty container has a mass of \_\_\_\_\_ g

If placed in the same container above would they float or sink to \_\_\_\_\_

color	Vol	mass	density
R			
G			
Y			
B			

check to see if you are correct in 159

use color \_\_\_\_\_

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investigation 5 - convection in water

**procedure**

step 1 -

step 2 -

step 3 -

step 4 -

results - data

making liquid layers	trial 1	trial 2	trial 3	trial 4	trial 5

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Conclusion -

Journal entries

date \_\_\_\_\_

date \_\_\_\_\_

date \_\_\_\_\_

variables -

date \_\_\_\_\_

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**Problem**

**Hypothesis**

**materials**

**equipment**

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investigation 5 - convection in air

**convection**

label all parts of these convection boxes.

Draw what you observed in these chambers.

**procedure**

Method A

step 1

step 2

Method B

step 1

step 2

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What have we **learned** about how heat is transferred?

Conduction	Radiation	Convection

What have we **learned** about density?

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Reading - Convection

**Investigation 5**

our goal is to read about convection to gain background knowledge for our upcoming experiment

bob 159 Stan