

# investigation 6 - humidity

bob notebook set up

**weather watch**



clouds  
water in the air

## Vocabulary -

humidity  
cloud  
carrying capacity

saturated  
dew point  
fog

writing at the top of pages

Investigation 5- reading 146  
Convection

What have we learned about how heat is transferred?

Conduction	Radiation	Convection

What have we learned about density?

class \_\_\_\_\_  
name \_\_\_\_\_

180 What is Humidity? Investigation 6 147

**what is humidity?**

procedure explain how to find the relative humidity

- step 1
- step 2
- step 3
- step 4
- step 5

Team \_\_\_\_\_  
dry temp \_\_\_\_\_  
wet temp \_\_\_\_\_  
difference in temp \_\_\_\_\_  
humidity % \_\_\_\_\_

Team \_\_\_\_\_  
dry temp \_\_\_\_\_  
wet temp \_\_\_\_\_  
difference in temp \_\_\_\_\_  
humidity % \_\_\_\_\_

dry temp \_\_\_\_\_  
wet temp \_\_\_\_\_  
difference in temp \_\_\_\_\_

writing

writing at the top of pages

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How can air hold water?

investigation 6 carrying capacity

How can air hold water?

Why will this sponge be able to hold this water?

Describe what will happen if I pour these containers together

How is the air able to hold water?

Journal entries

date \_\_\_\_\_ date \_\_\_\_\_

date \_\_\_\_\_ date \_\_\_\_\_

152 Investigation 6- making a cloud 153

cloud in a bottle

procedure

- step 1
- step 2
- step 3
- step 4
- step 5
- step 6

what happens - results

why this happens - conclusion

cloud types

type _____	height _____	type _____
type _____	height _____	type _____
type _____	height _____	type _____

What are clouds?

writing at the top of pages

writing

148 Investigation 6- humidity dew point 149

What is dew point?

investigation 6 humidity dew point

problem- is water really there?

procedure

temp \_\_\_\_\_

results

what happens to the outside of the can?

conclusion - where did this come from?

define \_\_\_\_\_

class \_\_\_\_\_  
name \_\_\_\_\_

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Cloud cover

How to estimate cloud cover

- step 1
- step 2
- step 3
- step 4

Cloud Finder