

*What makes air and water move?
What drives currents?*

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Southern New England Weather Conference, 2015

Heat Transfer

Red Hot Game

1 red hot = solid water (ice)

2-4 red hots = liquid water

5 + red hots = water vapor



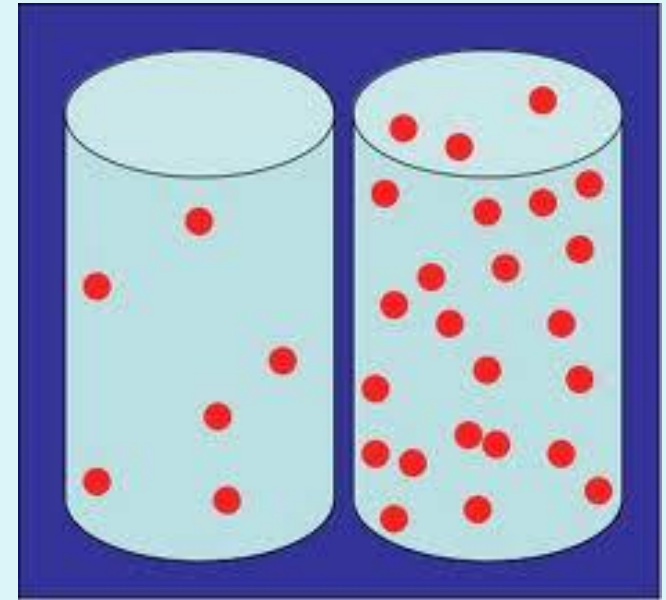
RULE

When you meet another water molecule, the water molecule that has more “red hots” must give 1 “red hot” to the water molecule with fewer “red hots”

Density

Density = How much matter is packed into a particular area

Density = Mass/Volume



Melting Ice Cube

Will ice melt faster in fresh water or in salt water?

What is your reasoning?



AMS DataStreme Atmosphere

Now accepting Spring 2016 applications
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The image shows a screenshot of the AMS DataStreme Atmosphere website. The header includes the American Meteorological Society logo and the text 'DataStreme Atmosphere'. Below the header is a search bar for NOAA's National Weather Service forecast by city, state, or zip code. A red notice states that DataStreme Central will be inaccessible during an office move from Friday to Sunday, 9-11 March. The main content area is divided into several sections: 'Learning Files', 'Daily Weather Summary', 'Weekly Weather/Climate News', 'Supplemental Information...In Greater Depth', and 'Current Weather Studies'. A red arrow points from the 'Wednesday' link in the 'Daily Weather Summary' section to a yellow callout box. The callout box contains the title 'DAILY WEATHER SUMMARY Wednesday, 27 October 2010' and a list of bullet points: 'HISTORY-MAKING STORM BLOWS ACROSS MIDWEST', 'SEVERE WEATHER ACROSS THE EAST', 'WINTRY WEATHER IN THE PLAINS', 'YESTERDAY'S TEMPERATURE EXTREMES ACROSS THE CONTINENTAL US', 'WIND OBSERVATIONS', and 'HISTORICAL WEATHER EVENTS'. A small map of the United States is visible in the background of the callout box.

AMERICAN METEOROLOGICAL SOCIETY
DataStreme Atmosphere

Learning Files | Section | Table | Section | Date | Ad | Forecast | Climate | Global | DataStreme Atmosphere

NOAA's National Weather Service Forecast by "City, St" or Zip Code

DataStreme Central will be inaccessible during the office move from Friday to Sunday, 9-11 March.

Learning Files

Daily Weather Summary

[Monday](#) | [Tuesday](#) | [Wednesday](#) | [Thursday](#) | [Friday](#)

Weekly Weather/Climate News

[Current Week's News](#) | [Last Week's News](#)

Supplemental Information...In Greater Depth

[Monday](#) | [Tuesday](#) | [Wednesday](#) | [Thursday](#) | [Friday](#)

Current Weather Studies

[Monday - CWS A](#) | [Wednesday - CWS B](#) | [Chapter Progress Response Form](#) | [Investigation](#)

[Image 1](#) | [Image 2](#) | [Image 3](#) | [Image 1](#) | [Image 2](#) | [Image 3](#) | [Current Weather Studies Answer E](#)

Investigations Manual: [web addresses](#) | [images](#)

Teacher/Student Resources and Career Information

Course Example #1

DAILY WEATHER SUMMARY
Wednesday, 27 October 2010

- HISTORY-MAKING STORM BLOWS ACROSS MIDWEST
- SEVERE WEATHER ACROSS THE EAST
- WINTRY WEATHER IN THE PLAINS
- YESTERDAY'S TEMPERATURE EXTREMES ACROSS THE CONTINENTAL US
- WIND OBSERVATIONS
- HISTORICAL WEATHER EVENTS