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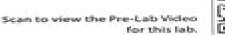
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Lab

5

Atmospheric Moisture

man.





Introduction

What is humidity and how is it important to atmospheric processes? This lab shows how we measure atmospheric moisture and uses two experiments to illustrate its role in energy transfer.

Objectives

After completing these exercises, you should be able to:

- Measure energy transfer when mixing water of different temperatures or changing its form (solid, liquid, gas)
- Explain how surface moisture affects temperature response to energy fluxes
- Colculate various measures of atmospheric moisture (water vapor) and explain the relationship between them
- Summarize how temperature and humidity influence evaporation rate

Materials needed: calculator, straight edge

Latent Heat

Water is a unique substance because it occurs in three phases (volid, liquid, and vapor) at temperatures and pressures that commonly occur on Earth. The phase change of water is what makes the weather interesting, variable, and often unpredictable. When it changes phase, water either releases or consumes energy—a process called latent heat transfer. The following two experiments illustrate the concept of latent heat. If you do not have the necessary equipment to conduct these experiments, please read through them anyway, carefully review the section on latent heat in your textbook, and answer the general questions (10–13).

Lab 5 Atmospheric Moisture Answers

RS Peters

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Micro- and Nano-Scale Sensors and Transducers Ezzat G. Bakhoum, 2016-03-09 The rapidly emerging fields of nanotechnology and nano fabrication have enabled the creation of new sensors with dramatic improvements in sensitivity and range along with substantial miniaturization And although there are many books on nanotechnology recent advances in micro and nano scale sensors and transducers are not adequately represented Report Intermountain Forest and Range Annual Report - Intermountain Forest & Range Experiment Station Experiment Station (Ogden, Utah),1952 Intermountain Forest and Range Experiment Station (Ogden, Utah), Fish and Wildlife News ,1984 U.S. Government Research & Development Reports ,1970 Fish and Wildlife News U.S. Fish and Wildlife Service, 1983 **FPA** Publications Bibliography Quarterly Abstract Bulletin United States. Environmental Protection Agency, 1999-04 Report Intermountain Forest and Range Experiment Station (Ogden, Utah),1955 R.R. Bowker's Software for Schools .1987 Earth Science .2001 The SAE Journal .1964 English Mechanic and World of Science, 1898, The Timberman ,1959 National Miller and American Miller ,1921 **EPA Publications Bibliography**, 1988 Government Reports Annual Index ,1984 **English Mechanic and Mirror of Science** ,1898 Michigan School Moderator ,1885 Instruments; the Magazine of Measurement and Control, 1955 Market Growers Journal ,1954

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In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing lacking extraordinary. Within the captivating pages of **Lab 5 Atmospheric Moisture Answers** a literary masterpiece penned with a renowned author, readers attempt a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book is core themes, assess its distinct writing style, and delve into its lasting affect the hearts and minds of those that partake in its reading experience.

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