



[«Science Lesson Plans](#)

From Earth to Atmosphere – A Never Ending Cycle

Published on July 29, 2009 by Lindsay Yates and Annelise Thurber

Description

Description: This is a unit of study that focuses on the stages of the water cycle. During this unit, students will explore evaporation and sublimation, condensation, precipitation, and runoff through a variety of experiments and hands on activities. Due to the nature of inquiry, the majority of student work will be done in the Science Notebook, specifically during experiments for which a narrative was given.

Grade Level

5th

Lesson Objective

- 5.1.C Create and complete, with explanation, a diagram showing the process of the water cycle.
- 5.2.E Construct a water table and investigate the path water takes. Draw conclusions from the results.
- 5.2.E Create, illustrate, and label the different forms water can take when processing through the water cycle. (snow, rain, sleet, fog, cloud, and dew)

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Depth of Knowledge

Level 3

Instructional Strategies

Cooperative learning groups

Graphic Organizers

Nonlinguistic Representation

Time Needed

11 days for 60 minutes

Materials

- Measuring cup
- 4 oz water
- Hot plat
- Fan
- Notebooks
- Writing materials
 - Large jar
 - Hot water
 - Plastic wrap
 - Ice
 - Notebook
 - Writing supplies

Academic Vocabulary

see lesson plan

Lesson Plan**Lesson Narrative for Evaporation Lab**

Time Needed: Two Days

Misconceptions: Heat is the sole factor involved in evaporation, water just disappears.

Engage: Review the pages in "Water Dance" that address evaporation. Discuss the cause and effect relationship that is illustrated. Possible questions to ask:

- What is happening in this part of the book?
- Where does evaporation take place?
- Where does the water go?
- How does the energy from the sun effect the water cycle?
- What factor other than heat causes water to evaporate?

Resources

"Water Dance" by Thomas Locker, Published by Houghton-Mifflin Harcourt

Scott Foresman text

Literature links

1

Text book link(s)

1

Key concepts: [main events of the water cycle](#)

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