

Grade Level: 4

Topic: Evaporation

Title: *How does water change state?*

Objectives/Goals

1. The students will predict and investigate how water changes states.
2. Students record data in tables in their notebooks.

Standards

4.2.4

[View Resource\(s\)](#)

Use numerical data to describe and compare objects and events.

4.2.5

[View Resource\(s\)](#)

Write descriptions of investigations, using observations and other evidence as support for explanations.

Materials

- Clear, plastic cup (10 oz)
- Metric ruler
- Water
- Pouring container
- Thermometer
- Freezer
- Computer or graphing calculator (optional)

Adapted from *Scott Foresman Science 4th grade*, Chapter 6: page 200

Activities

1. Distribute all materials.
2. Teacher direction- objective of lesson.
3. Students write prediction in notebook “What happens to liquid water when it changes to a solid state? Form an If.....then..... statement.

4. Students write teacher given procedures in notebook.
5. Students carry out activity from SF pages 200-201 and record results.
6. Students graph activity results in notebooks.
7. Students write conclusion in notebook on the investigated question.

Assessment

FOSS Scoring Guide