

## Activity #1 Follow up on phase change activity

**Time** Approximate time to complete this activity 25 min.

### Materials

- Material 1 – journals
- Material 2 – pencils
- Material 3 – phase change activity from the previous lesson
- Material 4 – scales
- Material 5 – camera and photo printer
- Material 6 – glue sticks

### Guiding Questions

- II. Question 1 - How has the water in the phase change activities changed?
- JJ. Question 2 - What caused those changes and how is heat related?

### Plan

- **Plans for part 1 of activity:**
  - Students will photograph and record visual observations of their phase change activity in their journals.
  - Students will find the mass of their activity and calculate the change from the previous lesson in their journals.
  - Students will record their ideas about what caused the changes observed.
  - **Guiding Questions to ask during this part of the activity:**
    - *What differences do you see?*
    - *What differences can you measure?*
    - *What caused the changes?*
  - **Anticipated Student Responses to guiding questions:**
    - *Phase changes, loss of water*
    - *Mass*
    - *Temperature, various responses*
- **Plans for part 2 of activity:**
  - Students will gather into a discourse circle to share their observations.
  - **Guiding Questions to ask during this part of the activity:**
    - *What caused the changes and why do you think that? What is your evidence?*
    - *How does one group's results compare to another's results?*
    - *What do you mean by temperature? What is heat? What is cold?*
  - **Anticipated Student Responses to guiding questions:**
    - *Various responses*

## **Differentiation**

- Strategy 1 – small group work
- Strategy 2 – technology used to aid in the collection of observations

## **ELL Modification**

- Modification 1 – steps for collecting observations displayed in 1, 2, 3 order
- Modification 2 – visual representations used with instructions

**Check for Understanding** The students will be assessed through the observations they collect in their journals and what they share during the discourse circle.