

Lesson 2.1: Measured Water Activity

Note: This is an additional activity added between Lessons 2 & 3 to address the following benchmark:

4B(K-2)#2: Water can be a liquid or a solid and can be made to go back and forth from one form to the other. If water is turned into ice and then the ice is allowed to melt, the amount of water is the same as it was before freezing.

The generic “My Observation Sheet,” available in the STC *Changes* Teacher’s Guide, was used for students to record their pictures and written observations.

My Observation Sheet

① water 40

② ice 44

③ water 40

If water is turned into ice it expands.
Then when the ice goes back to
water the amount of water drops back
to the same height.

Students are not expected to know the word “expands.” In this particular class, the word was introduced by a student, and the majority of the students started using the word to describe what they observed. When teaching this lesson, draw students’ attention to the fact that despite the expansion of water (when it is ice), the water level returns to its original amount once the ice melts.