

“I Can” Statements

1. Conduct an experiment designed to explore whether mass changes when salt dissolves in water inside a closed container.
2. Conduct an experiment designed to explore whether mass changes when frozen water melts inside a closed container.
3. Conduct an experiment designed to explore whether mass changes when a chemical reaction producing a gaseous product occurs inside a closed container.
4. Construct histograms using mass-change data collected in the laboratory
5. Analyze histograms and draw conclusions from the data.
6. Use experimental data to predict whether or not the mass changes when physical or chemical events happen in closed systems.
7. Decide what to do about condensation that forms on the outside of a container during an experiment involving low temperatures.
8. Show how the mass of a container changes when a pressurized gas is released from the container.
9. Distinguish between the laws of nature and the laws of society.
10. Defend the Law of Conservation of Mass using your own experimental results and those of your classmates.