

Ms. Glynn
8th Grade Science
Conservation of Mass

Name: _____
Date: _____

- 1) State the law of conservation of mass.
- 2) Write out all three masses you measured for the beaker when it was filled with ice, the mass of the beaker when the ice dissolved into water, and the mass of the beaker when the water started boiling (for both when the lid was on the beaker and when the lid was not on top of the beaker).
- 3) What do you notice about your results?
- 4) How does it relate to the law of conservation of mass?
- 5) Suppose you are camping outside and you are really cold. You gather about 500 kg of wood to start a camp fire for the night. In the morning, you put out the flame and notice that most of the wood you gathered has turned to ash. Is the mass of the ash on the ground equal to the mass of the wood you gathered the night before? Explain your reasoning in at least 2 sentences. (Hint: Think about the mass of boiling water)