

Name _____

Condensation and Conservation of Mass

Just when you least want it to happen, your car windows fog up.

Feeling Foggy?

Can you give a good explanation for why car windows fog up? Discuss particles (molecules) and temperature in your answer. _____

Thinking about Matter

1. You take a cold can of soda from the fridge but do not open it. You leave it on the counter on a warm, humid day. Will the can get heavier or lighter? _____

2. Your home has a window air conditioner. One of the settings circulates the air inside the house, but does not send any air outside. But when you stand outside under the air conditioner, little drips land on your head. Can you explain? _____

3. If the day is hot and the night is cool, the grass in your yard gets wet. But if the day is cool and the next day is warm, the grass is usually dry. Explain: _____

Condensation Experiment

Design an experiment to test whether mass is conserved during condensation. Write each step here:

Hypothesis: _____

Procedure (numbered steps): _____

Results: (Include a table of your data)

Conclusion: _____

