

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Lesson 8: Handout 1

**Initial Model of Droplet Formation**

Develop an initial model to show what is happening to the water vapor molecules to explain **why the droplets started forming and why they grew in size over time**. Show a molecular-scale view of a really small spot on the surface of the bottle where this happened at three points in time: initially, 2 minutes later, and 5 minutes later.

Key	Initially	2 minutes later	5 minutes later
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How does your model help you explain why the droplets started forming and grew in size over time? What is happening to the molecules of water that were in the air?