

Name: _____ Period: _____ Date: _____

Lesson 1-3: Diffusion of Particles

Part 1

Draw a particle diagram showing how the scent moved throughout the room. Put an "X" to show where the scent started.

Beginning	Middle	End

Part 2

Question: How does temperature affect the rate of diffusion?

Hypothesis: If we drop food coloring in hot and cold water, it will diffuse faster in _____ water, because _____.

Draw particle diagrams showing the difference between diffusion in hot water and diffusion in cold water.

Hot Water	Cold Water

Conclusion: (What does this lab tell us? How does it change our particle diagrams for matter?)
