

Learning Objective: Students will be able to illustrate the movement of molecules in different states of matter by writing a creative piece

Scope and Sequence Standards

MS-PS1-1. Develop models to describe the atomic composition of simple molecules and extended structures.

MS-PS1-4. Develop a model that predicts and describes changes in particle motion, temperature, and phase (state) of a substance when thermal energy is added or removed.

Assignment: My Molecular Journey

Illustrate the life of a molecule as it goes through two phase changes. Using your knowledge of phase change and molecular movement, you will describe the movement of a molecule using its point of view.

Use the following checklist and rubric to help you complete the task.

- Use lesson slides to determine how molecules move in each state of matter.
- Choose between either a poem, song, or story to write
- Assume the point of view of a molecule and write about your journey from a solid to a liquid and a liquid to a gas
- Describe how you are able to move in each state and how that affects your physical state
- Make sure to include what lead to your phase change
- EXTRA POINTS: Draw a picture that shows how you (the molecule) are moving in a solid, liquid, and gaseous state.

My Molecular Journey
