

Crosscutting Concepts

Scale, Proportion, and Quantity

- Natural objects exist from the very small to the immensely large. (5-PS1-1)

Students develop an understanding that the molecules in soap interact with the ions in Epsom Salt to produce a soap scum precipitate. Students see that their macroscopic observations of the production of a precipitate can be explained on the sub-microscopic molecular level.

Cause and Effect

- Cause and effect relationships are routinely identified, tested, and used to explain change.

Students develop an understanding that the interactions of molecules in soap with the ions in Epsom salt causes the production of the soap scum precipitate.