



California State University of Bakersfield, Department of Chemistry

Silly Putty (Borax)



Standards:

HS-PS1-2. Construct and revise an explanation for the outcome of a simple chemical reaction based on the outermost electron states of atoms, trends in the periodic table, and knowledge of the patterns of chemical properties

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

Introduction:

Have you ever wondered how putty is made? In 1943, an engineer named James Wright decided he wanted to make rubber. Well instead of making rubber, he made silly putty! Silly Putty is one of the world's favorite toys and will remain popular for decades to come. While this is incredibly fun, silly putty involves the process of fluid chemistry, for the water has no fixed shape and can mold into practically anything.

Materials:

- Water
- Borax
- Elmer's White Glue
- Container

This material is based upon work supported by the CSUB Revitalizing Science University Program (REVS-UP) funded by Chevron Corporation. Opinions or points of view expressed in this document are those of the authors and do not necessarily reflect the official position of the Corporation or CSUB.

