Hot and Cold

Summary

Students study the energy associated with physical and chemical changes. The activity consists of observing nine phenomena.

Time Frame

1 class periods of 90 minutes each

Group Size

Pairs

Materials

- student instructions/worksheet

(attached)

per group:

acetone in dropper bottles

alcohol in dropper bottles

concentrated sulfuric acid in dropper bottles

6 M HCl in dropper bottles

6 M NaOH in dropper bottles spatula of NaOH

2 spatula of NH4Cl

spatula of Ba(OH)2

spatula of CaCO3

spatula of anhydrous CuSO4

Instructional Procedures

Step-by-step instructions and procedures are found on the student instruction sheet attached.

Bibliography

Lesson Design by Jordan School District Teachers and Staff.

Authors

Utah LessonPlans