## Gobstoppers and Diffusion

Summary
Gobstoppers in hot and cold water. Predict what will happen and conduct the experiment.
Time Frame
1 class periods of 45 minutes each
Group Size
Individual
Materials
1000 ml beakers (smaller beakers and water amounts can be used)
4 gobstopppers
cold and hot water
stop watches
ice

- worksheet

Background for Teachers
If you use a hot plate for the hot water you will need to take precautions. Hot water from the tap works well.

Instructional Procedures
Take a large jaw breaker and start licking it in front of the class. Ask the class if there is a different way to dissolve the jaw breaker.
Set up a bin with ice water.
Have a source for hot water.
Students will run the lab.
Discuss after the results.

Assessment Plan
Scoring Rubric or answer key:

1. Complete, best effort, analysis questions accurately answered..... 4
2. Complete, best effort
.3
3. Partially complete and lacking effort.......... 2
4. Started lab and did not complete............. 1

Bibliography
Lesson Design by Jordan School District Teachers and Staff.

## Authors

$\underline{\text { Utah LessonPlans }}$

