

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 gobstoppers
- 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 effort3
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

[Utah LessonPlans](#)