

Pineview Elementary School



Mr. Williams

Topic: Cloud in a Jar

Purpose:

Students will connect their knowledge about how hot air interacts with cold air creating clouds

Hypothesis:

Students think that by changing the type of aerosol (Hairspray) will make a different cloud

Materials:

- Mason Jar (or other clear jar)
- Ice cubes
 - Hair spray
 - Boiling Water

Procedures:

Pour a small amount of HOT water into the bottom of your jar (Approximately 1 cm)

Place ice on your jar.

Spritz a small spray of hairspray into your jar and put the lid (with ice) back on top.

Data:

Jar with hairspray clouds. They didn't last as long.



Jar with the oil sheen Clouds. They lasted Longer.



Results:

- When the students used the hairspray(Control) they saw small clouds that disappeared faster.
- When the students used oil sheen(Variable) the clouds were thicker and lasted longer.

Conclusion:

The oil sheen made a thicker and longer lasting cloud than the hairspray. This shows that the type of spray used can change how well the cloud forms.

Acknowledgements:

Mr. Woods and the students of Second Chance for coming to participate in the experiment.