

Condensation Inquiry

<p><u>Drawing</u></p>	<p>Bottle with Thermometer</p>
	<p>Water and Matches</p>
	<p>Cloud in the bottle</p>

Inquiry Idea

Cloud Craft Directions

1. Pick a piece of paper out of the container
2. Take a piece of paper and a glue stick back to your seats
3. Glue the name of your cloud to the top of your paper (raise your hand if you have any questions)
4. Use the cotton balls at your table to create your cloud, using what you know about it. (Cloud types will be up on the board with descriptions)
5. Stretch out the cotton balls to make your cloud and glue them to your paper.
6. Use what you know about your cloud (and what is on the board) to label where in the atmosphere (sky) your cloud would be and what it does (storms, shapes it looks like, etc..)
7. Come up and describe your cloud to the class.

Ticket out the Door

Stratus



Cumulonimbus



Cumulus



Cirrus



Guided Notes

1. There are _____ drops in the air. They are so tiny that they _____.
2. If there are a lot then they _____ in groups and form clouds. If it's cold they can be ice _____.
3. Amount of clouds depends on _____ water is in the air. Some are seen way up _____, others are seen _____ in the sky.
4. Clouds can look white because they _____ light from the sun. The light from the sun is all the colors of the _____, but when they are mixed they are white.
5. When clouds are gray it means that they have a lot more _____ in them and are denser and scatter _____ light from the sun.
6. Clouds that look like big heaps are called cumulus clouds. Cumulus means "_____".
7. Clouds that look like wisps of hair are called cirrus clouds. Cirrus means "_____".
8. The layer of clouds that look like a blanket are called stratus clouds. Stratus means "_____".
9. Rain clouds are called _____. A cumulus cloud that rains is called a cumulonimbus.
10. Clouds tell us about the _____. Cumulus clouds tell us it will be sunny Cirrus clouds tell us the weather is about to _____. Stratus clouds tell us there will be _____. Cumulonimbus clouds mean _____ weather. They bring rain, _____, and lightning.

Guided Notes Answers

1. There are water drops in the air. They are so tiny that they float.
2. If there are a lot then they collect in groups and form clouds. If it's cold they can be ice crystals.
3. Amount of clouds depends on how much water is in the air. Some are seen way up high, others are seen lower in the sky.
4. Clouds can look white because they scatter light from the sun. The light from the sun is all the colors of the rainbow, but when they are mixed they are white.
5. When clouds are gray it means that they have a lot more water in them and are denser and scatter less light from the sun.
6. Clouds that look like big heaps are called cumulus clouds. Cumulus means "heap"
7. Clouds that look like wisps of hair are called cirrus clouds. Cirrus means "hair"
8. The layer of clouds that look like a blanket are called stratus clouds. Stratus means "layer"
9. Rain clouds are called nimbus. A cumulus cloud that rains is called a cumulonimbus.
10. Clouds tell us about the weather. Cumulus clouds tell us it will be sunny Cirrus clouds tell us the weather is about to change. Stratus clouds tell us there will be fog. Cumulonimbus clouds mean bad weather. They bring rain, snow, and lightning.