

OLD SALEM EXPLORATORIUM

All Things Matter

Grade 6 Science

Student Name: _____

Date: _____

Activity 1:

We saw in the video how pewter can be a solid or a liquid depending on temperature. Now you will be using your powers of observation to perform a demonstration about solid, liquid and gas.



Carefully observe each balloon.

Investigate the contents of the three balloons and write your observations in the chart below.

	What does the balloon look like?	How does the balloon feel when you compress it?	Describe the temperature of the balloon.
Air Balloon			
Water Balloon			
Ice Balloon			



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All Things Matter Activity



Activity 2:

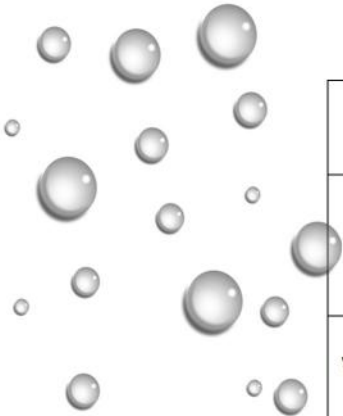
Put each balloon into a container. Predict what you think will happen when you pop the balloon. Write your predictions in the table. Now take the pin and pop one balloon at a time, observing what you see and hear as you do. Write your observations in the table.



	What I think will happen when I pop the balloon	What happened when I popped the balloon?
Air Balloon		
Water Balloon		
Ice Balloon		

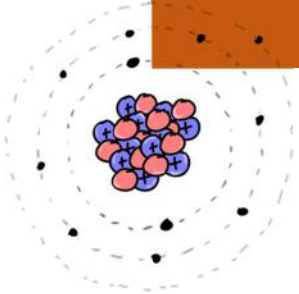
Activity 3:

	Draw a diagram of what the atoms look like in this state of matter
Air	
Water	
Ice	



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Activity 4:

Use the ice for this activity. Rub the ice with both hands for 1 minute.

What is happening to the ice? _____

What is happening to your hands? _____

Explain the process of heat transfer in this activity.

