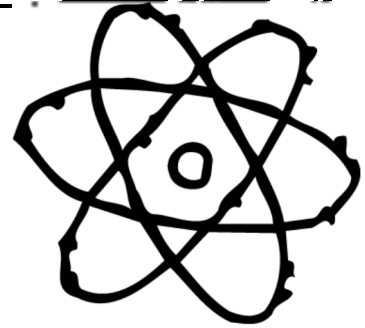


# CHANGES TO MATTER



Matter can be changed from one state to another by adding or removing energy in the form of heat. Sometimes the change can be reverse, other times it cannot. Predict what will happen when heat is added or removed from the following objects.

What will happen when energy (heat) is removed from the water?

**Prediction:** \_\_\_\_\_

\_\_\_\_\_

**Result:** \_\_\_\_\_

\_\_\_\_\_

What will happen when energy (heat) is added back to the matter?

**Prediction:** \_\_\_\_\_

\_\_\_\_\_

**Result:** \_\_\_\_\_

\_\_\_\_\_

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Matter can be changed from one state to another by adding or removing energy in the form of heat. Sometimes the change can be reverse, other times it cannot. Predict what will happen when heat is added or removed from the following objects.

What will happen when energy (heat) is added to the liquid water?

**Prediction:** \_\_\_\_\_  
\_\_\_\_\_

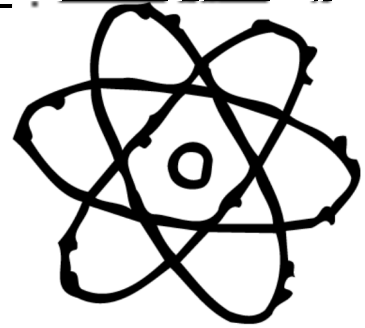
**Result:** \_\_\_\_\_  
\_\_\_\_\_

What will happen when energy (heat) is removed from the matter?

**Prediction:** \_\_\_\_\_  
\_\_\_\_\_

**Result:** \_\_\_\_\_  
\_\_\_\_\_

# CHANGES TO MATTER



Matter can be changed from one state to another by adding or removing energy in the form of heat. Sometimes the change can be reverse, other times it cannot. Predict what will happen when heat is added or removed from the following objects.

What will happen when energy (heat) is added to an egg in a shell?

**Prediction:** \_\_\_\_\_

\_\_\_\_\_

**Result:** \_\_\_\_\_

\_\_\_\_\_

What will happen when energy (heat) is removed from the egg?

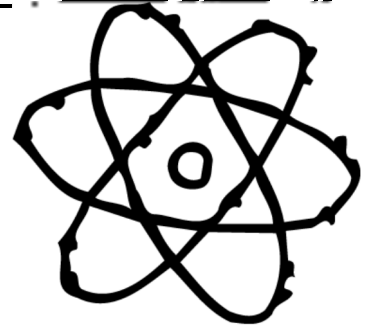
**Prediction:** \_\_\_\_\_

\_\_\_\_\_

**Result:** \_\_\_\_\_

\_\_\_\_\_

# CHANGES TO MATTER



Matter can be changed from one state to another by adding or removing energy in the form of heat. Sometimes the change can be reverse, other times it cannot. Predict what will happen when heat is added or removed from the following objects.

Were the changes you made to water able to be reversed? Explain.

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Were the changes you made to the egg able to be reversed? Explain.

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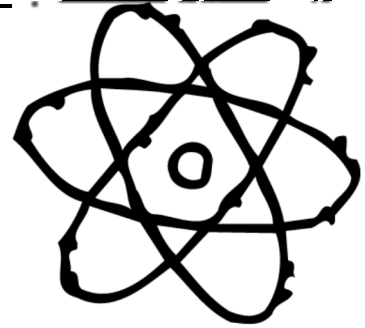
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# CHANGES TO MATTER



List some other objects that allow changes to be reversed by adding or removing heat.

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List some other objects that do not allow changes to be reversed by adding or removing heat.

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