

Use the **heating** and **cooling** cards to sort the different items based on how the matter would change if the items were **heated**.

1

2

3

Use the **heating** and **cooling** cards to sort the different items based on how the matter would change if the **heat** was removed and the items were **cooled**.

1

2

3

Heating and Cooling

Chocolate



Chocolate



Chocolate



Heating and Cooling

Ice Cream



Ice Cream

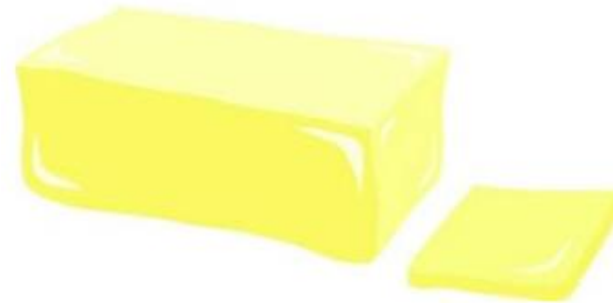


Ice Cream



Heating
and
Cooling

Butter



Butter

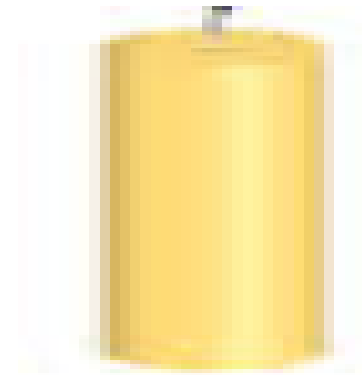


Butter



Heating and Cooling

Candle



Candle



Candle



Heating and Cooling

Ice



Ice



Water



Heating and Cooling

Marshmallows



Marshmallows

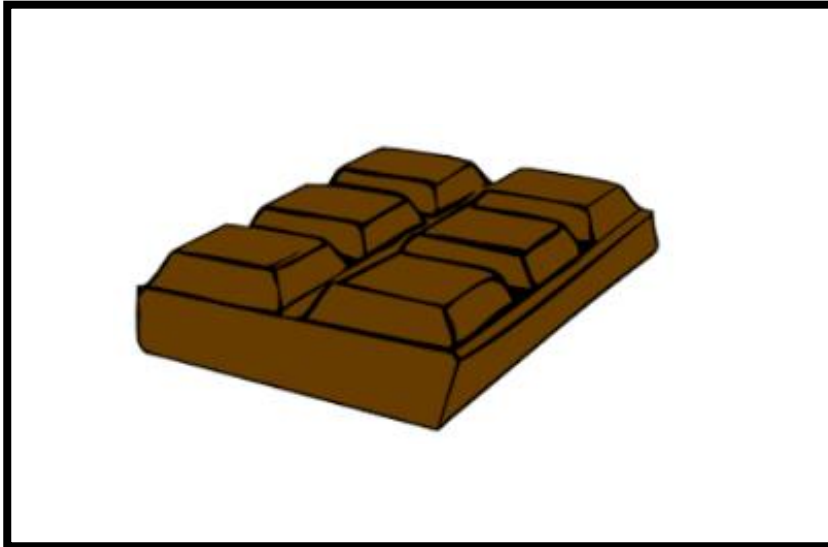


Marshmallows



Chocolate Mania

Draw pictures to describe what you think would happen if heat is added to this chocolate bar.



After 2 minutes



After 5 minutes

Describe what will happen to the chocolate if heat is added.

I think that if heat is added to the chocolate _____

Ice

Draw pictures to describe what you think would happen if heat is added to the ice.



After 2 minutes



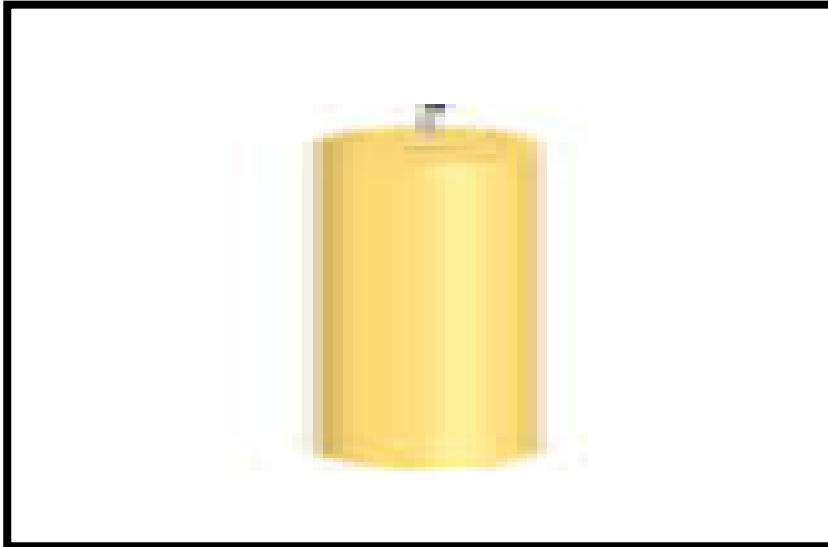
After 5 minutes

Describe what will happen to the ice if heat is **added**.

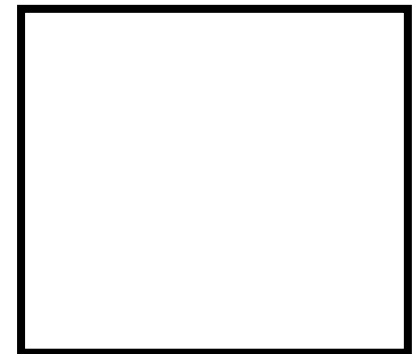
I think that if heat is **added** to the ice _____

Candle

Draw pictures to describe what you think would happen if heat is added to this candle.



After 2 minutes



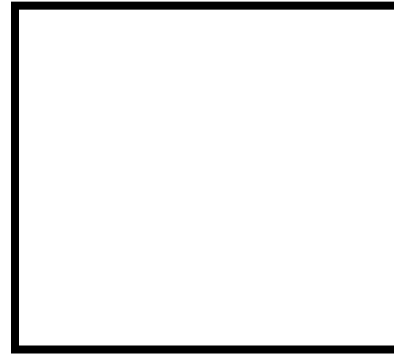
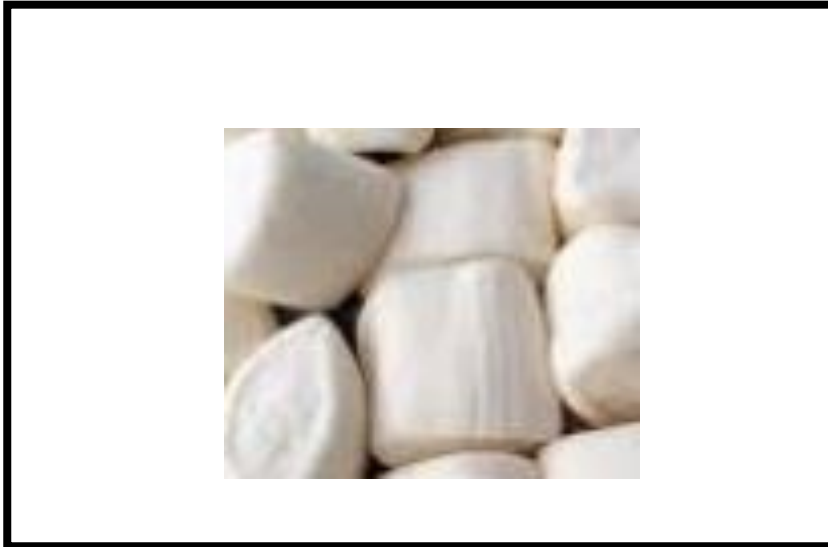
After 5 minutes

Describe what will happen to the candle if heat is **added**.

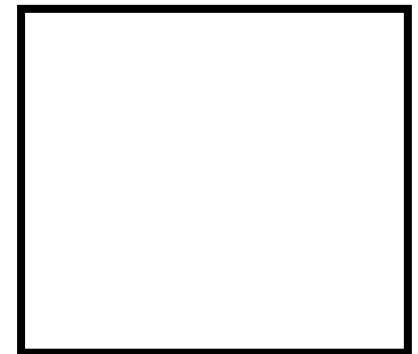
I think that if heat is **added** to the candle _____

Marshmallow

Draw pictures to describe what you think would happen if heat is **added** to this marshmallow bar.



After 2 minutes



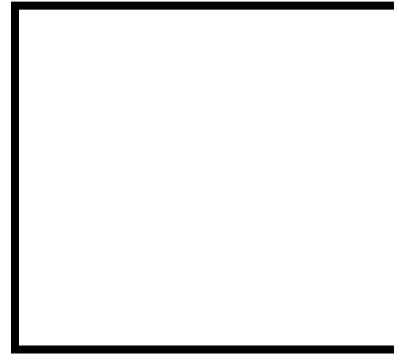
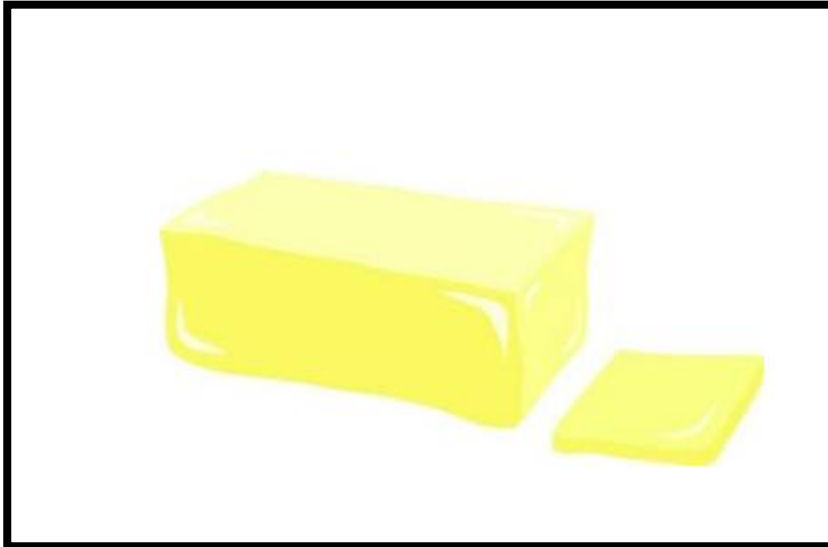
After 5 minutes

Describe what will happen to the marshmallow if heat is **added**.

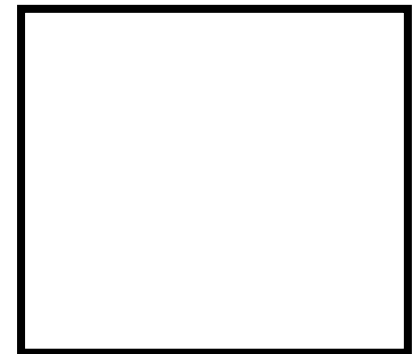
I think that if heat is **added** to the marshmallow _____

Butter

Draw pictures to describe what you think would happen if heat is **added** to this butter.



After 2 minutes



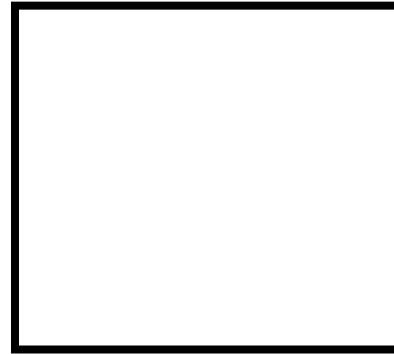
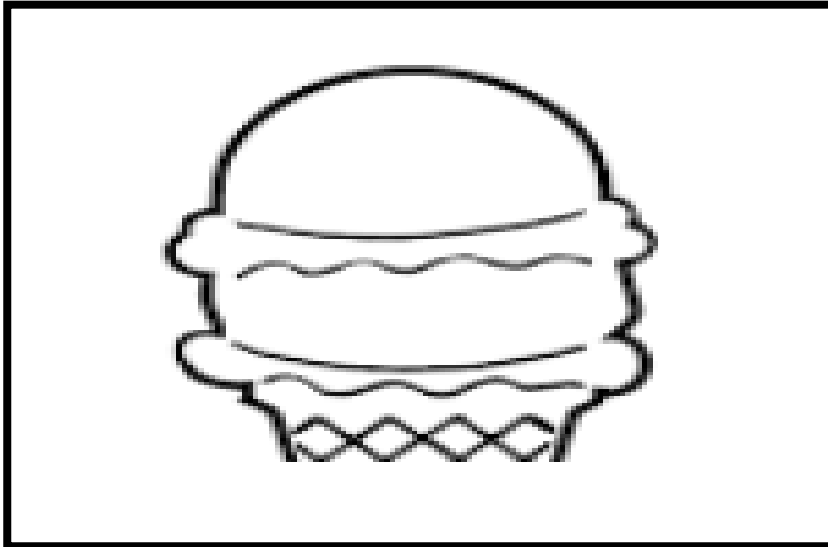
After 5 minutes

Describe what will happen to the butter if heat is **added**.

I think that if heat is **added** to the butter _____

Chocolate Mania

Draw pictures to describe what you think would happen if heat is **added** from this Ice cream.



After 2 minutes



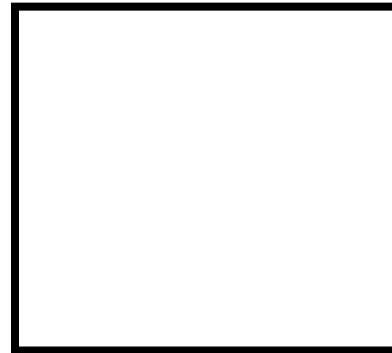
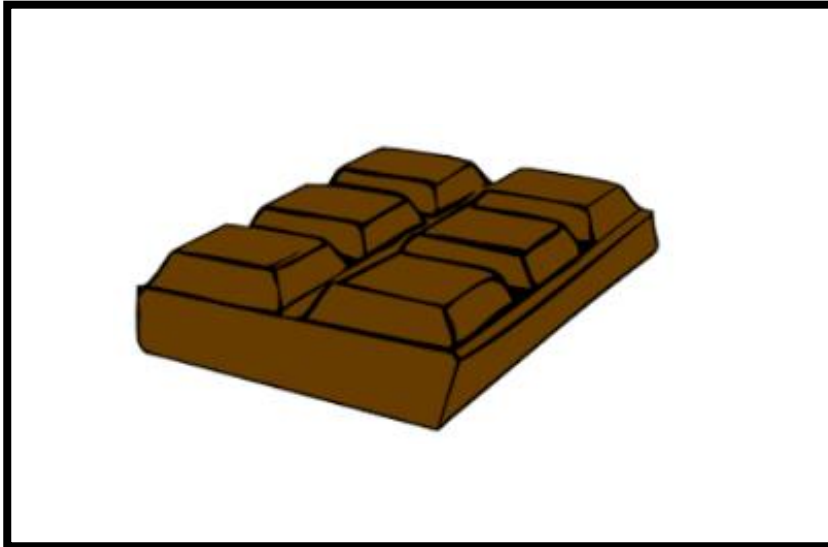
After 5 minutes

Describe what will happen to the ice cream if heat is **added**.

I think that if heat is **added** to the ice cream _____

Chocolate Mania

Draw pictures to describe what you think would happen if heat is **removed** from this chocolate and it gets cold.



After 2 minutes



After 5 minutes

Describe what will happen to the chocolate if heat is **removed**.

I think that if heat is **removed** to the chocolate _____

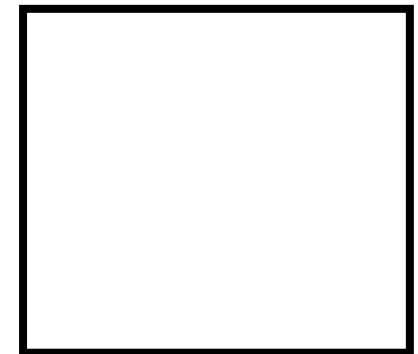
Ice



Draw pictures to describe what you think would happen if heat is **removed** from this ice and it gets cold.



After 2 minutes



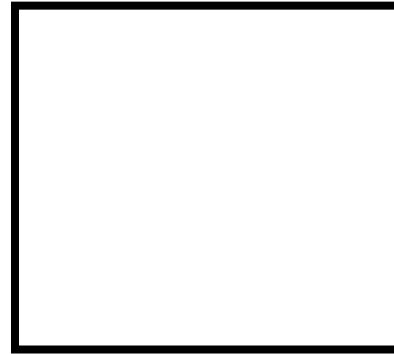
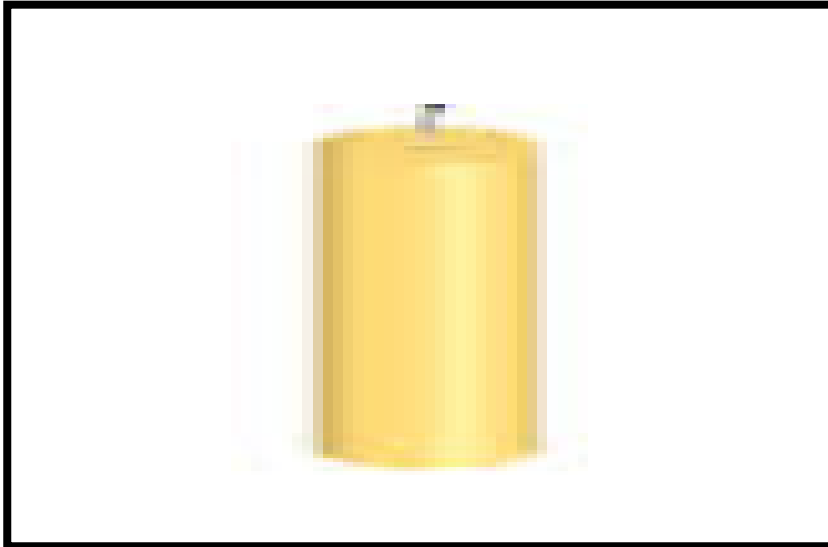
After 5 minutes

Describe what will happen to the ice if heat is **removed**.

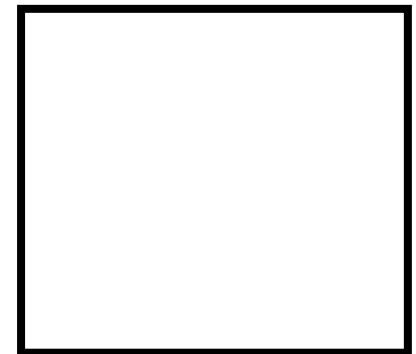
I think that if heat is **removed** to the ice _____

Candle

Draw pictures to describe what you think would happen if heat is **removed** from this candle and it gets cold.



After 2 minutes



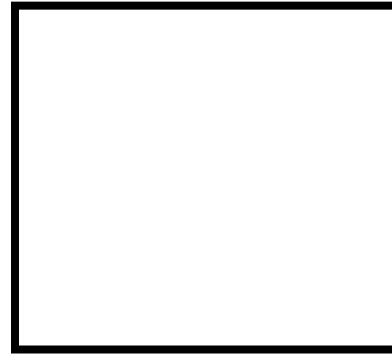
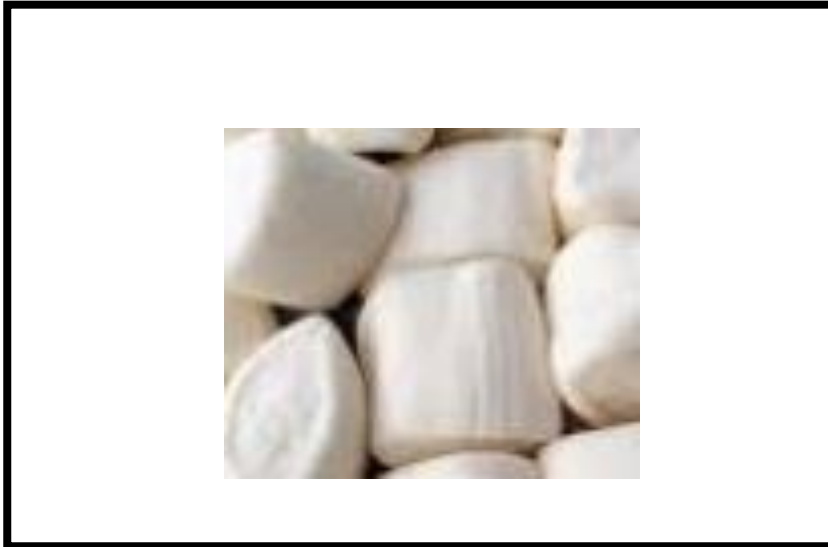
After 5 minutes

Describe what will happen to the candle if heat is **removed**.

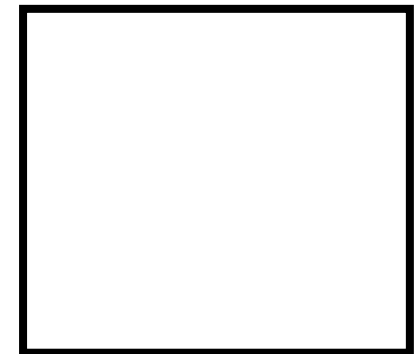
I think that if heat is **removed** to the candle _____

Marshmallow

Draw pictures to describe what you think would happen if heat is **removed** from this marshmallow and it gets cold.



After 2 minutes



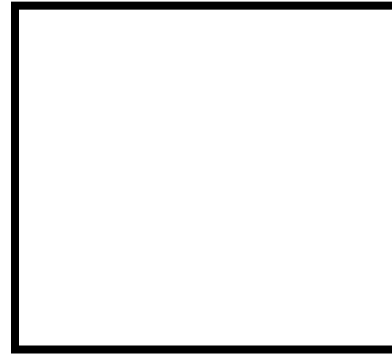
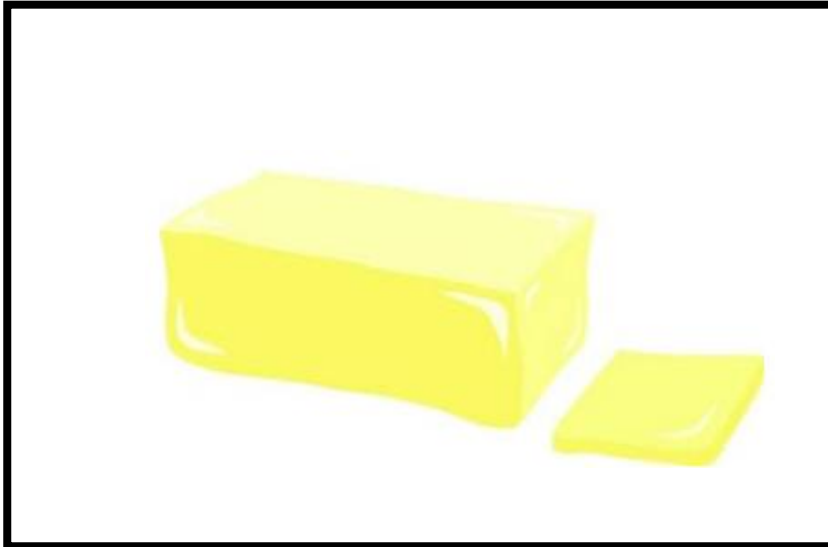
After 5 minutes

Describe what will happen to the marshmallow if heat is **removed**.

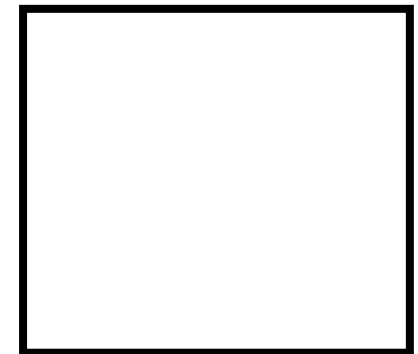
I think that if heat is **removed** to the marshmallow _____

Butter

Draw pictures to describe what you think would happen if heat is **removed** from this butter and it gets cold.



After 2 minutes



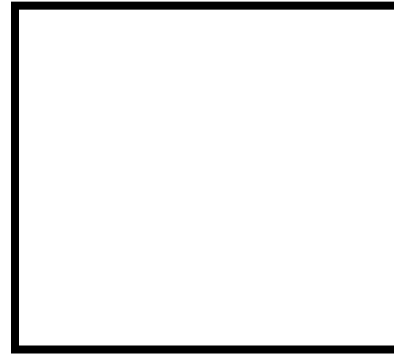
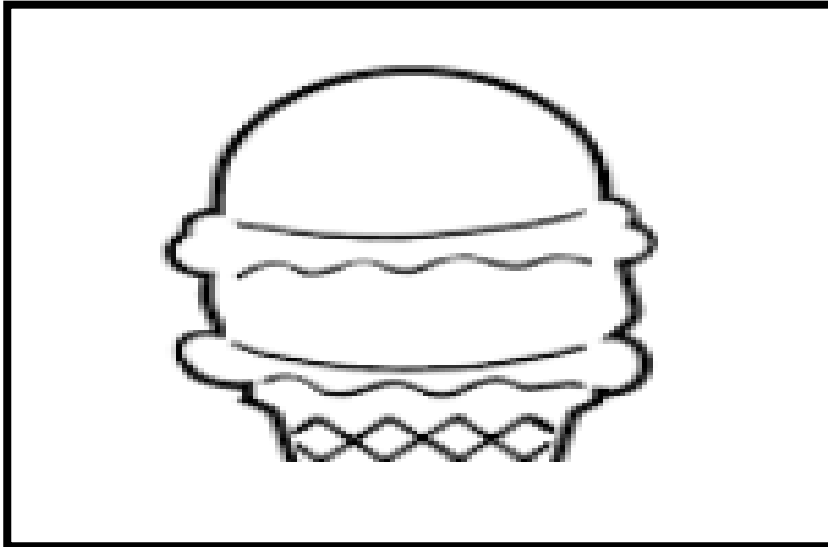
After 5 minutes

Describe what will happen to the butter if heat is **removed**.

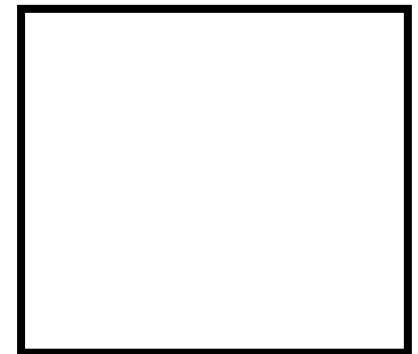
I think that if heat is **removed** to the butter _____

Ice Cream

Draw pictures to describe what you think would happen if heat is **removed** from this ice cream and it gets cold.



After 2 minutes



After 5 minutes

Describe what will happen to the ice cream if heat is **removed**.

I think that if heat is **removed** to the ice cream _____

Classify the items based on their material.










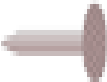


Wood

Plastic

Metal

Wood	Plastic	Metal

Cut out and use these items for the sorting activity.

Duck Float 	Paperclip 	Wood Blocks 	Balloons 
Car Key 	Cork 	Rubber Duck 	Tree 
Aluminum Can 	Metal Nail 	Log 	Cup 

Answer Key

Classify the items based on their material.

Wood



Plastic



Metal

