

**How can things
be changed by
heating?**



**Heat changes matter
from a solid to a liquid.**

**Ice is a
solid.**



**When it is
heated it
turns to
water, a liquid.**

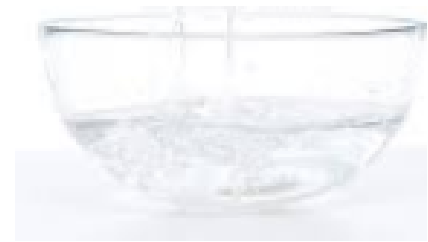


How can things be changed by cooling?



When matter gets cold it changes from a liquid to a solid.

Water is a liquid.

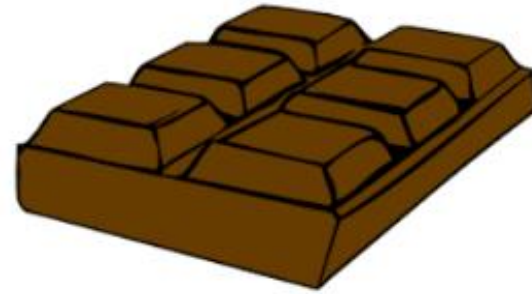


It turns to Ice, a solid.



Heating and Cooling

Chocolate



Chocolate



Chocolate



Heating
and
Cooling

Ice Cream



Ice Cream

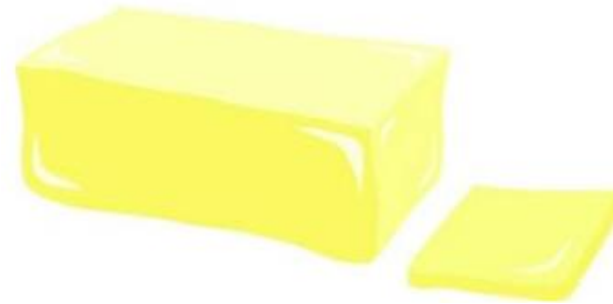


Ice Cream



Heating
and
Cooling

Butter



Butter

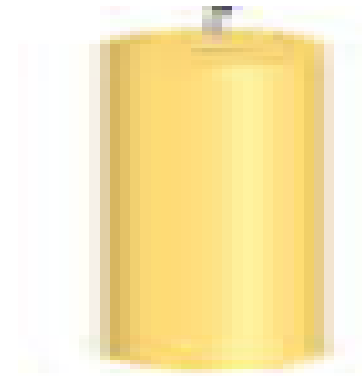


Butter

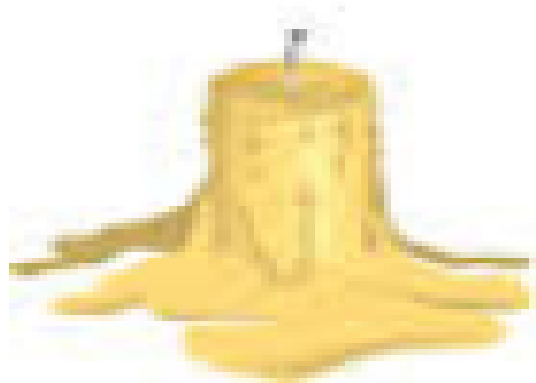


Heating and Cooling

Candle



Candle



Candle



Heating and Cooling

Ice



Ice



Water



Heating and Cooling

Marshmallows



Marshmallows



Marshmallows



Before

What will happen to the items when they are heated on a stove?

After



Before

What will happen to the items when they are cooled in a freezer?

After



Discussion strips



When the _____
got cold it (melted or froze)

Discussion strips

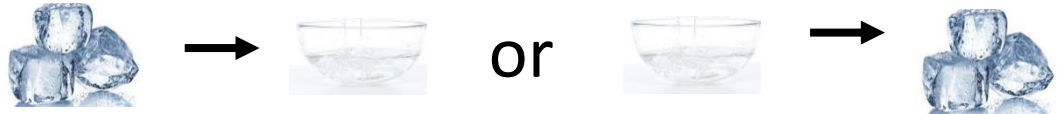


When the _____
was heated it (melted or
froze)

Discussion strips



When the _____
got cold it changed from a
(Solid to a liquid) or (liquid to a solid)



Discussion strips



When the _____
got cold it changed from a
(Solid to a liquid) or (liquid to a solid)

