







Changes from Heating

Draw and write about what each substance looked like before and after it was heated.

Think about what happens to the following items when they are heated. Is it a reversible or irreversible change?

Item	Before It Was Heated	After It Was Heated	Reversible or Irreversible Change (Circle correct option)
Egg 		The egg became _____.	Reversible or Irreversible
Bread 		The bread became _____.	Reversible or Irreversible
Corn kernels 		The corn kernels became _____.	Reversible or Irreversible
Ice cube 		The ice cube became _____.	Reversible or Irreversible
Butter 		The solid butter became a _____.	Reversible or Irreversible
Potato piece 		The piece of potato became a _____.	Reversible or Irreversible

hard-boiled	burned	melted	chip	liquid	water	toast
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Consider what each substance would look like before and after it was heated. Is it a reversible or irreversible change?

Item	Before It Was Heated	After It Was Heated	Reversible or Irreversible Change?
Egg <ul style="list-style-type: none">• white• yolk			
Bread			
Corn kernels			
Ice cube			
Butter			
Potato piece			

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Answers

Reversible Changes	Irreversible Changes
<ul style="list-style-type: none">• Ice melting is a reversible change because it can be turned to ice again by freezing.	<ul style="list-style-type: none">• Heating an egg• Heating bread• Corn kernels becoming popcorn• A potato piece becoming a chip

N.B. If butter is melted to become a liquid, it is a reversible change because it can become solid again by freezing. However, if the butter is continually heated until it burns, a chemical change happens which means it is an irreversible change.