

UPPER PRIMARY

Beginner Science

E-Booklet Part 3

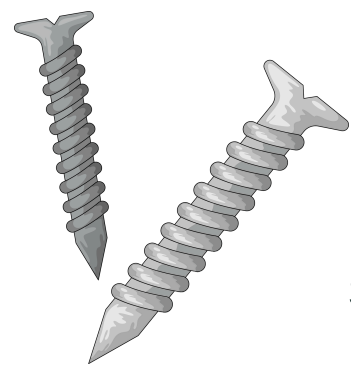
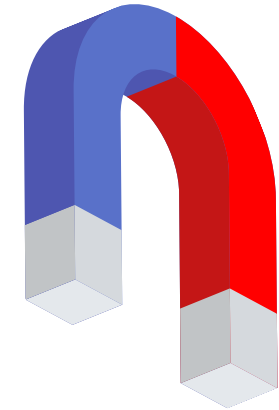




Magnetic Attraction

Upper Primary Beginner Science

Circle whether the magnet will attract or repel the items below.



Metal screws

Attract

Repel



Metal paper clip

Attract

Repel



rubber bands

Attract

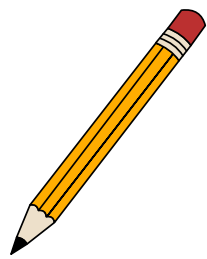
Repel



metal bottle cap

Attract

Repel



pencil

Attract

Repel



socks

Attract

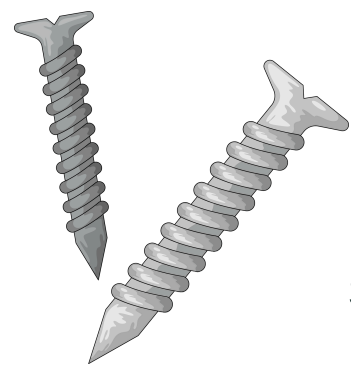
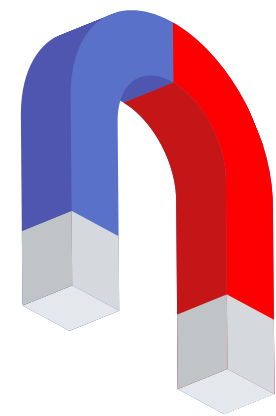
Repel



Magnetic Attraction - Solutions

Upper Primary Beginner Science

Circle whether the magnet will attract or repel the items below.



Metal screws

Attract

Repel



Metal paper clip

Attract

Repel



rubber bands

Attract

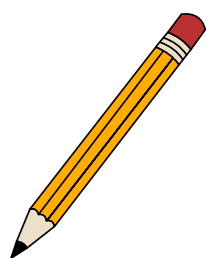
Repel



metal bottle cap

Attract

Repel



pencil

Attract

Repel



socks

Attract

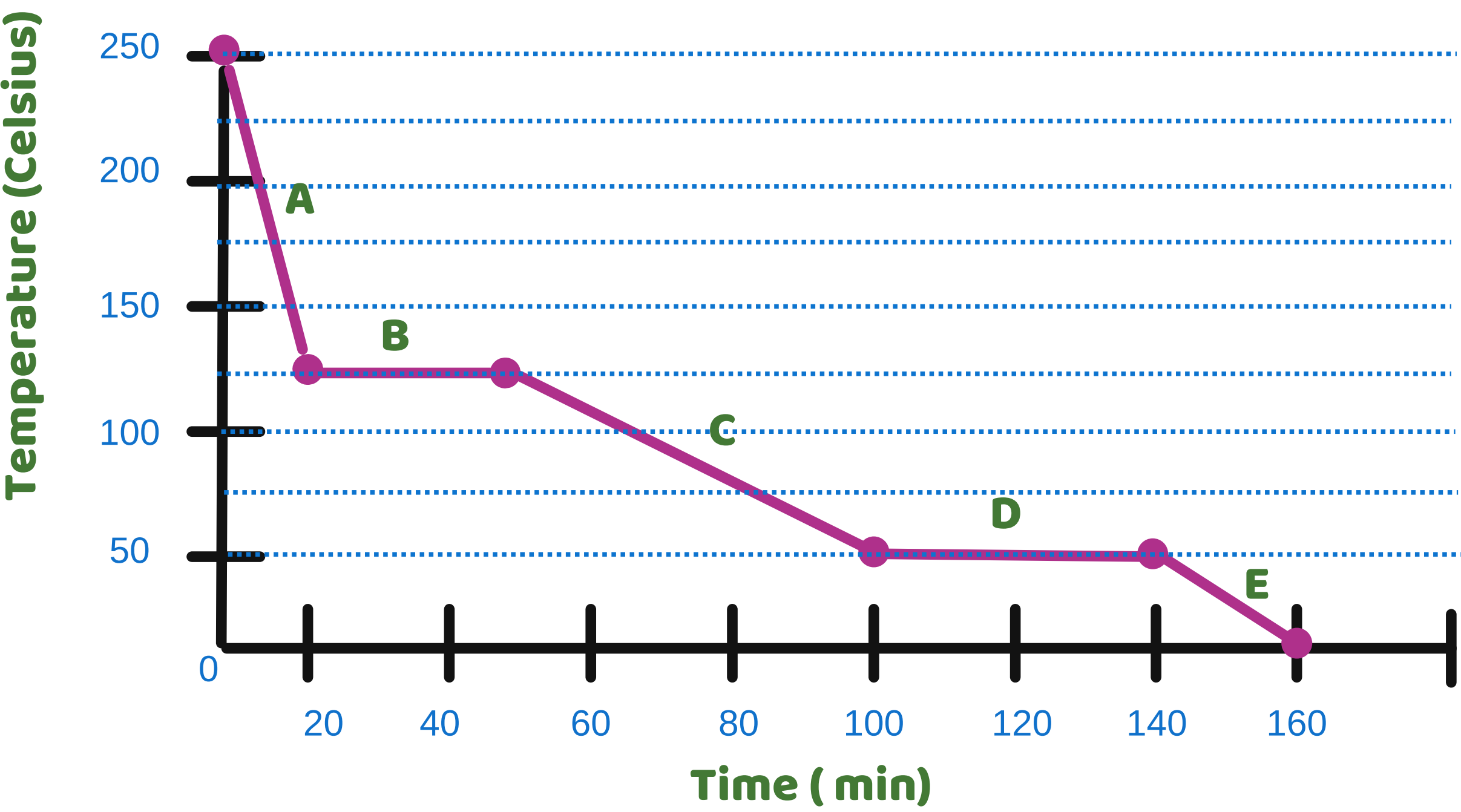
Repel



States of Matter

Upper Primary Beginner Science

The graph below shows a substance changing state as the temperature drops. Using the graph, answer the questions below.



1. At what point in the graph is the Substance a gas?

2. At which point is it a liquid?

3. At which point is it a solid?

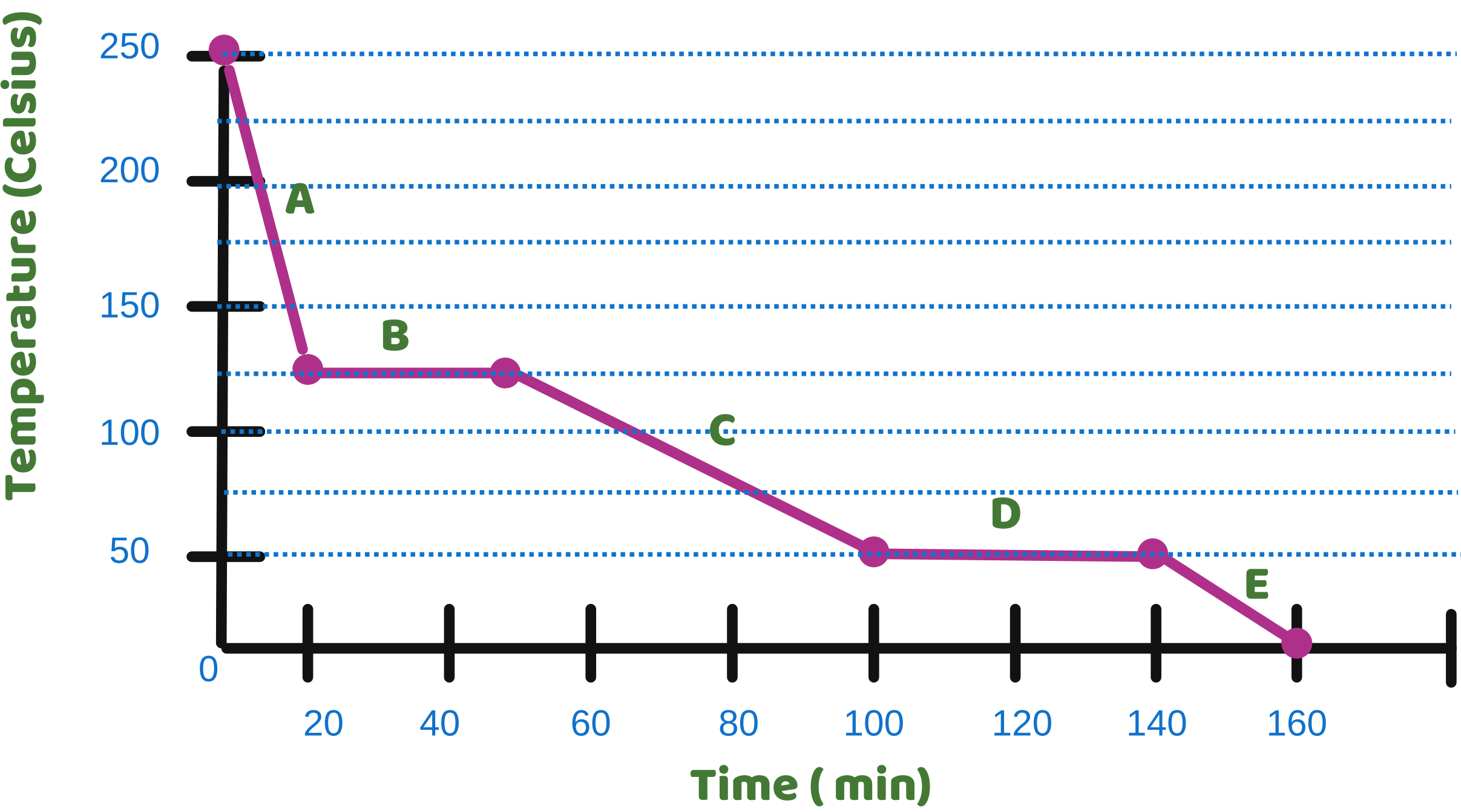
4. Where is condensation happening?



States of Matter

Upper Primary Beginner Science

The graph below shows a substance changing state as the temperature drops. Using the graph, answer the questions below.



5. At what temperature does this substance begin to condense?

6. Where is freezing happening?

7. At what temperature does this substance begin to freeze?

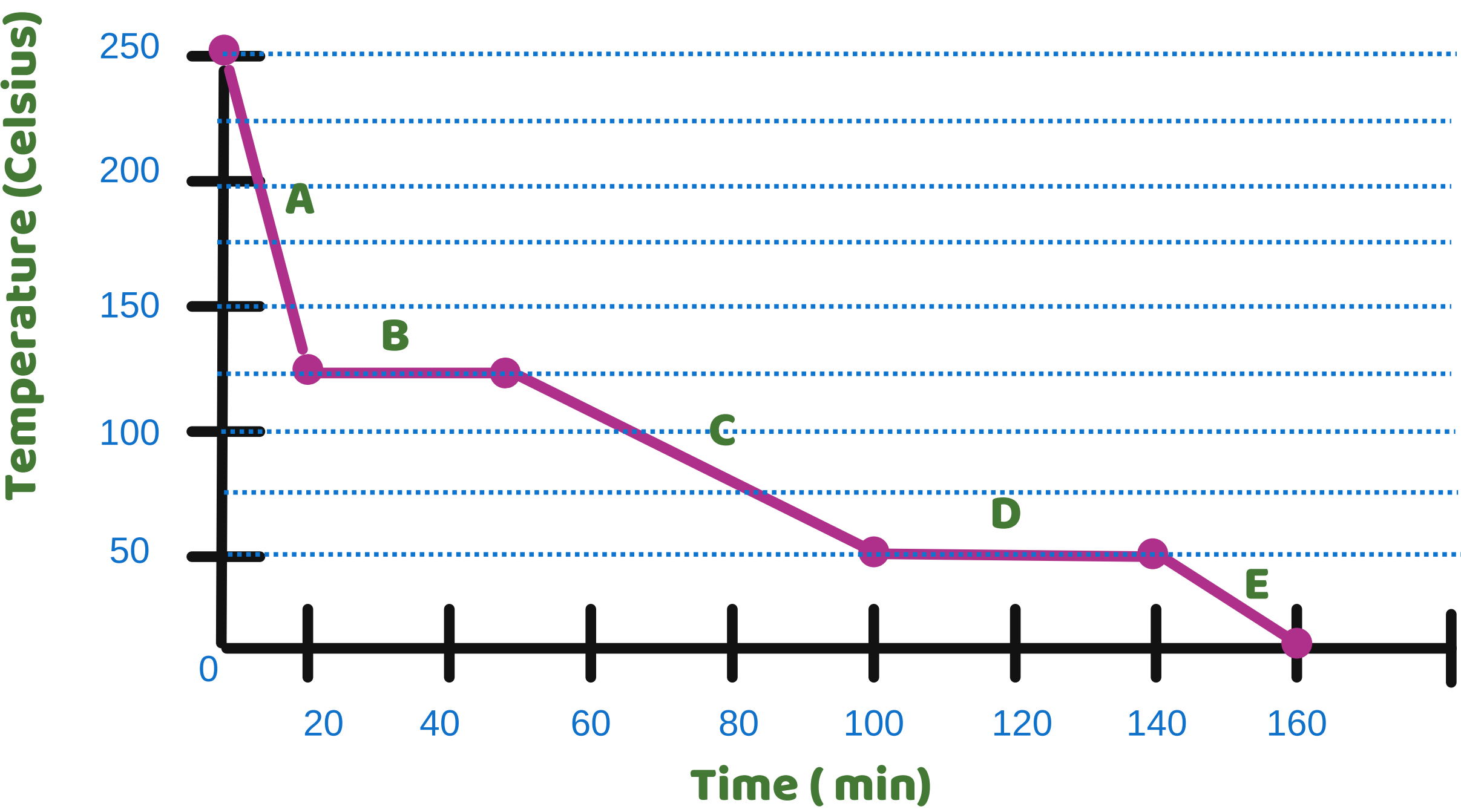
8. What are the 3 states of matter?



States of Matter - Solutions

Upper Primary Beginner Science

The graph below shows a substance changing state as the temperature drops. Using the graph, answer the questions below.



1. At what point in the graph is the Substance a gas?

A

2. At which point is it a liquid?

C

3. At which point is it a solid?

E

4. Where is condensation happening?

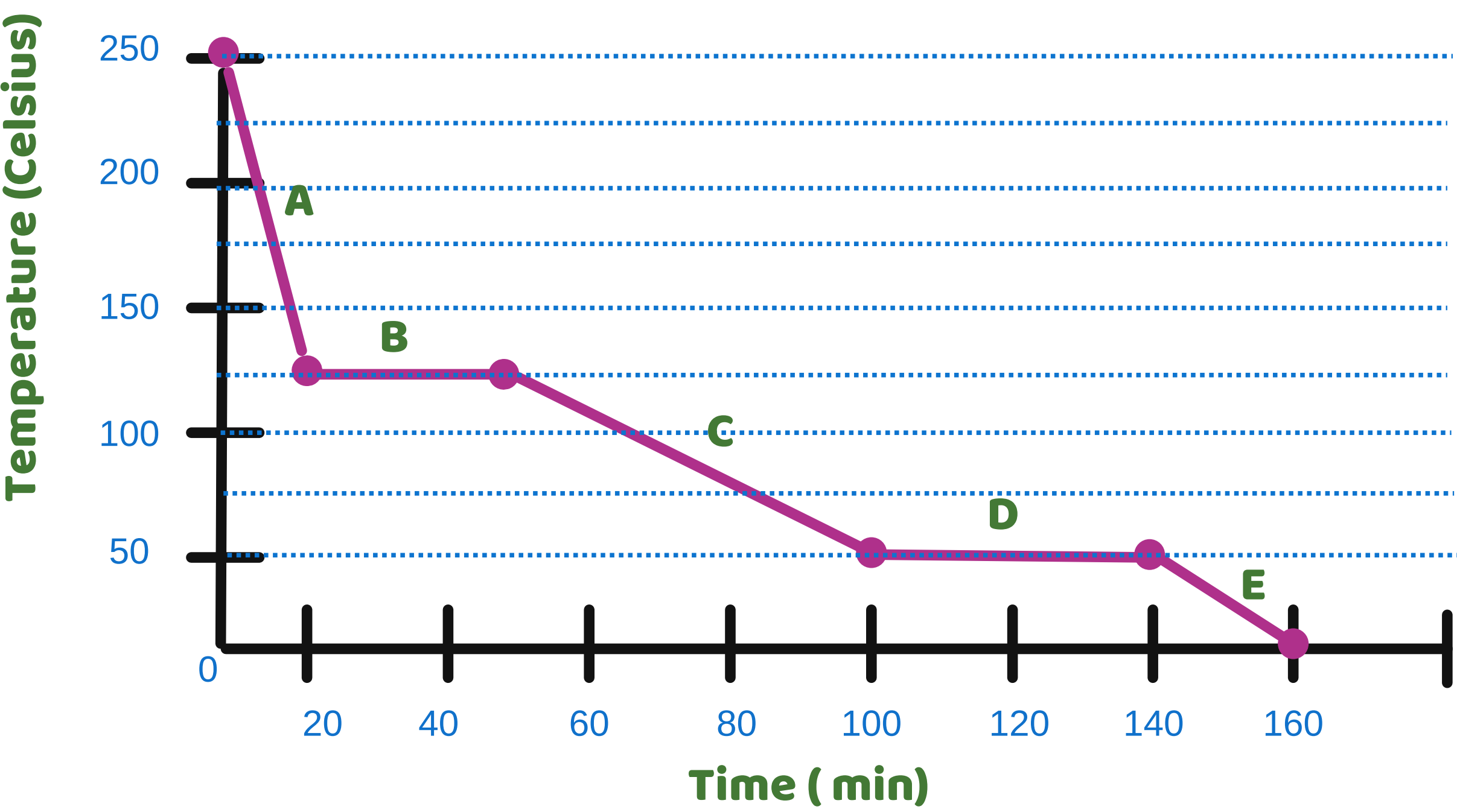
B



States of Matter - Solutions

Upper Primary Beginner Science

The graph below shows a substance changing state as the temperature drops. Using the graph, answer the questions below.



5. At what temperature does this substance begin to condense?

125 degrees celsius

6. Where is freezing happening?

D

7. At what temperature does this substance begin to freeze?

50 degrees celsius

8. What are the 3 states of matter?

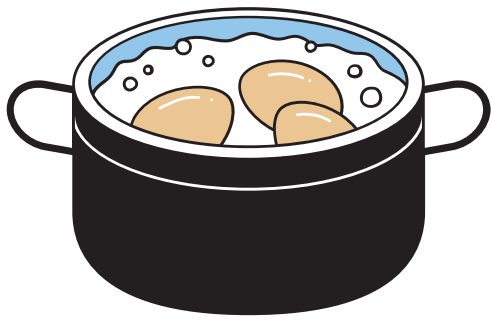
Solid, Liquid & Gas



Reversible & Irreversible Changes Exercise 1

Upper Primary Beginner Science

Matter can change its state when heat, cold, or pressure is applied. Below each example, change that occurred is reversible or irreversible. Write it in the box.



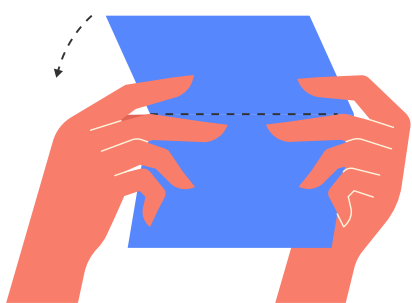
Boiling an egg



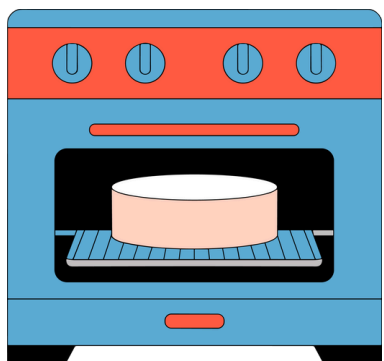
Freezing water to ice



Dissolving sugar in water



Folding paper



Baking a cake from batter



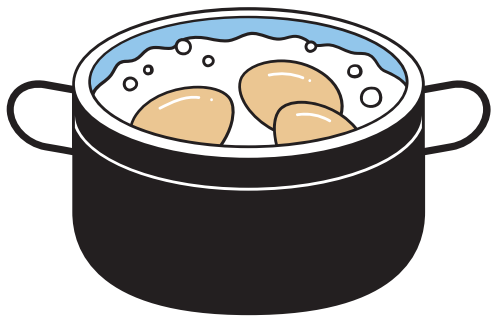
Stretching a rubber band and letting it snap back



Reversible & Irreversible Changes Exercise 1 - Solutions

Upper Primary Beginner Science

Matter can change its state when heat, cold, or pressure is applied. Below each example, change that occurred is reversible or irreversible. Write it in the box.



Boiling an egg

irreversible



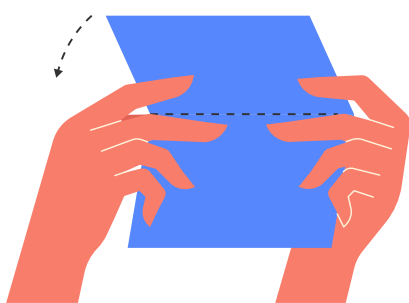
Freezing water to ice

reversible



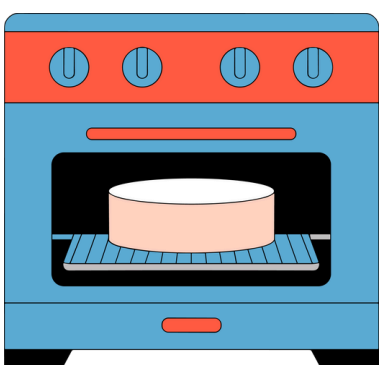
Dissolving sugar in water,
then evaporating the water

reversible



Folding paper

reversible



Baking a cake from batter

irreversible



Stretching a rubber band and
letting it snap back

reversible



Reversible & Irreversible Changes Exercise 2 - Solutions

Upper Primary Beginner Science

Matter can change its state when heat, cold, or pressure is applied. Below each example, change that occurred is reversible or irreversible. Write it in the box.



Burning wood

irreversible



Blowing up a baloon

reversible



Fireworks exploding

irreversible



Dissolving salt in water
then boiling it off.

reversible



Roasting marshmallows
over a fire, charring them
beyond recovery.

irreversible



Tying shoelaces

reversible



Reversible & Irreversible Changes Exercise 2

Upper Primary Beginner Science

Matter can change its state when heat, cold, or pressure is applied. Below each example, change that occurred is reversible or irreversible. Write it in the box.



Burning wood



Blowing up a baloon



Fireworks exploding



Dissolving salt in water then boiling it off.



Roasting marshmallows over a fire, charring them beyond recovery.



Tying shoelaces