

Solids, Liquids and Gases

1. What is matter?

2. Identify the solids, liquids and gases in the following situations:

a) Making a cup of tea

Solids: _____

Liquids: _____

Gases: _____

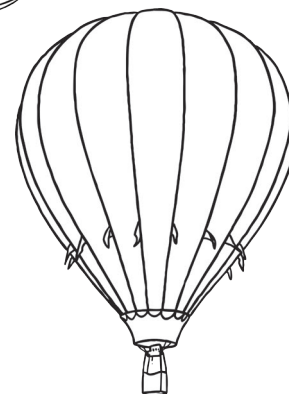


b) A hot air balloon

Solids: _____

Liquids: _____

Gases: _____



3. Properties of Matter

Complete the following table using ticks and crosses:

	Solid	Liquid	Gas
Has a fixed shape?			
Can be compressed?			
Can it flow?			
Takes the shape of the container it is in?			

Challenge: Can you think of any substances that have properties of both a solid and a liquid?

Learning Objectives:

- I can define matter.
- I can identify solids, liquids and gases in everyday situations.
- I can compare and contrast properties of solids, liquids and gases.

Solids, Liquids and Gases Answers

1) What is matter?

Matter is any substance that has mass and takes up space (volume).

2) Identify the solids, liquids and gases in the following situations:

a) Making a cup of tea

Solids: Tea bag, tea leaves, kettle, sugar, spoon, cup/mug.

Liquids: Water and milk.

Gases: Steam.

b) A hot air balloon

Solids: Balloon fabric (silk), metal frame, wicker basket.

Liquids: Fuel (liquid propane).

Gases: As the fuel is ignited (now gas propane) it reacts with oxygen to form water and carbon dioxide.

3) Properties of Matter

Complete the following table:

	Solid	Liquid	Gas
Has a fixed shape?	Tick	Cross	Cross
Can be compressed?	Cross	Cross	Tick
Can it flow?	Cross	Tick	Tick
Takes the shape of the container it is in?	Cross	Tick	Tick

Challenge: Can you think of any substances that have properties of both a solid and a liquid?

Toothpaste, tomato ketchup, hair gel etc.