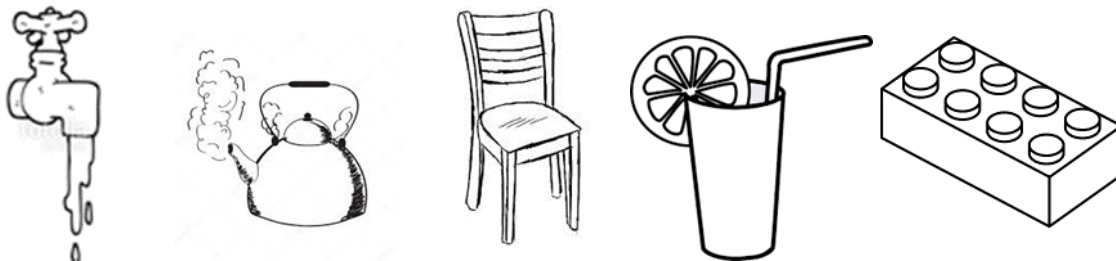


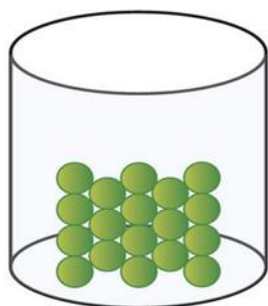
**Section A**

1. Look at the objects below. Decide if they are solids, liquids or gases. Place a ✓ in the correct column. (5)

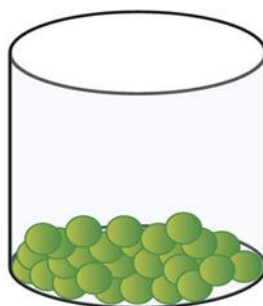


Object	Solid	Liquid	Gas
Water from the tap		✓	
Steam from the kettle			✓
Wooden chair	✓		
Juice in the cup		✓	
Lego block	✓		

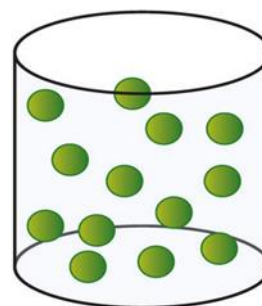
2. Look at the diagrams below and identify the phase of matter. (3)



2.1 Solid ✓



2.2 Liquid ✓



2.3 Gas ✓

3. Match the word in column A to the correct description of their molecules in column C. Write the letter in column B. (3)

A	B	C
Solids	a✓	a) The molecules are tightly packed. They can barely move.
Liquids	c✓	b) The molecules are loosely arranged. They are free to move upwards and outwards.
Gases	b✓	c) The molecules are free and have enough space for them to flow over one another. The molecules take the shape of the container.

4. Choose only the correct word to complete the following definitions. (4)

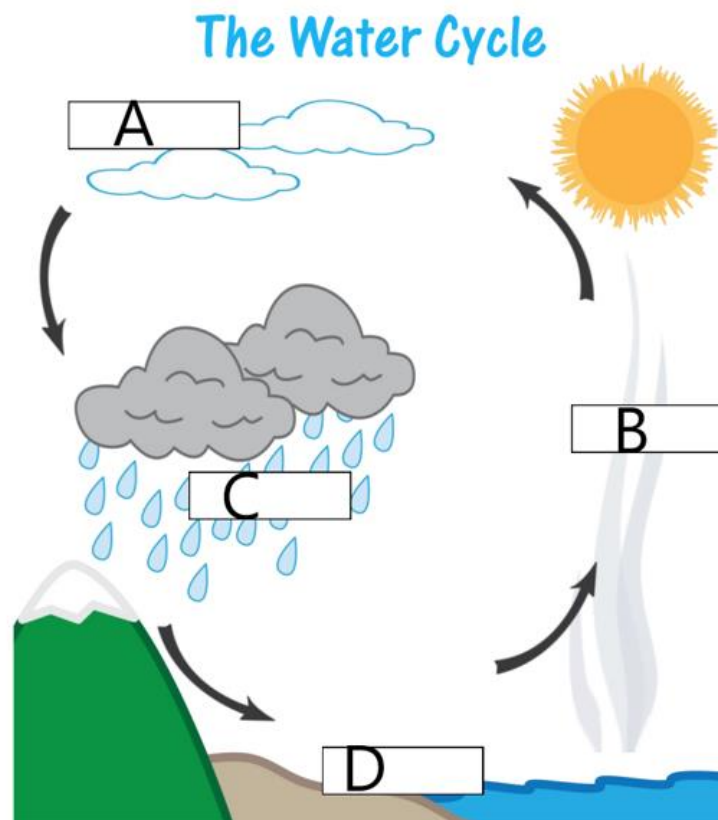
melting	condensing	freezing	evaporating
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- 4.1 **Freezing:** ✓ when liquid water turns to ice.  
4.2 **Condensing:** ✓ when water vapour turns to liquid water.  
4.3 **Evaporating:** ✓ when liquid water turns to water vapour  
4.4 **Melting:** ✓ when ice turns to liquid water.

**Question 5**

5.1 Label the water cycle diagram correctly. (4)

- A **Condensation** ✓      B **Evaporation** ✓      C **Precipitation** ✓      D **Run-off** ✓



5.2 Names 3 types of precipitation. (3)

- 5.2.1 **Rain** ✓      5.2.2 **Hail** ✓      5.2.3 **Snow** ✓

5.3 Explain what would happen to your ice-cream if you left it out in the sunshine.

The ice-cream would melt. It would turn from a solid into a liquid ✓✓ (2)

Section B

6. Match the keyword in column 1 with the correct definition in column 3. Write the correct letter in column 2. (6)



1	2	3
triangulation	F✓	A. materials found in nature
alloy	B✓	B. a metal made from combining 2 or more metallic elements
process	D✓	C. materials that have been processed
manufactured material	C✓	D. perform a series of chemical or mechanical operations
metals	E✓	E. natural raw materials found in the Earth's crust
raw material	A✓	F. Adding struts in the shape of triangle

7. Complete the table by listing **the properties** of each raw material as well as its **uses**.

Learners answers will vary. Reasonable answers will be accepted. (6)

Raw materials	Properties of raw materials	Uses
Cotton	7.1 The fabric is strong but creases easily. It is comfortable to wear and affordable. Cotton can be bleached to keep it white and can be washed in hot or cold water. ✓	7.2 Clothes✓
Wool	7.3 Wool is a weak fabric, but it does not wrinkle easily. It is comfortable to wear and warm, but expensive. It is sensitive to bleach and must be washed carefully in cool water. ✓	7.4 Cloth, yarn for jerseys✓
Animal hides/leather	7.5 Leather is strong and flexible. It is also comfortable and warm to wear. ✓	7.6 Clothes, bags, boots✓

8. Paper can be strengthened by ... (2)

8.1 Folding✓      8.2 Rolling✓

9. Scaffolding provides a strong structure for builders working on a building. Look at the picture and describe how materials are used to what make it so strong. (2)



Construction workers use scaffolding

✓✓

This structure is strong because it makes use of **struts** to create triangles which is the strongest shape and can support the most weight: **Triangulation**

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