Draw a particle model for each of the three states of matter.


Use the particle diagrams you have drawn in question 1, and the words below, to complete the explanation of why a solid cannot be compressed but a gas can.
Use all the words below to complete the explanation. solid
compressed
space particles
gas

Complete this revision mat either on paper or in your book.


| List five physical properties of a liquid. | e |
| :--- | :--- |

1. 


2.
3.
4.
5.

Name an example of a liquid:

| List five physical properties of a gas. | g |
| :--- | :--- |

1. 


2.
3.
4.
5.

Name an example of a gas:

The properties below describe an unknown material.
The material can flow.
The material has a variable shape.
Which state of matter is the material? Explain your answer.
$\qquad$
$\longrightarrow$

Amari suggests the material is a liquid. Explain how she might test whether the material has a fixed or variable volume.

Declan and Raj had been camping. The nex morning, the inside lining of the tent was wet:

The overnight temperature was $6^{\circ} \mathrm{C}$ and it had not been raining.

Explain what had happened.
$\longrightarrow$
$\qquad$
$\square$
$\square$
$\square$
$\square$
$\qquad$


